

# MELHUISSH'S

CATALOGUE  
of

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SUPPLIES

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84, 85 & 87, FETTER LANE,  
HOLBORN CIRCUS, LONDON, E.C.

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*No. 17 Section of Catalogue.*

**Ironmongery and Electrical Supplies.**

**R. MELHUISH, SONS & CO.**

Nos. 84, 85, 87, Fetter Lane,

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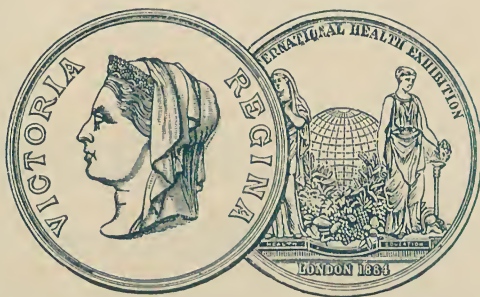
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**SUITES OF POLISHED BRASS OUTSIDE DOOR FURNITURE.**

No. 31.



Very Massive.  
Price 11/9 each.

No. 30.



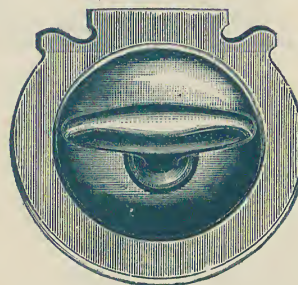
**Knocker.**  
Price 8/- each.

No. 34.



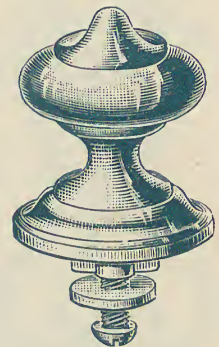
**Quadrant Bell Pull.**  
Price 4/- each.

No. 35.



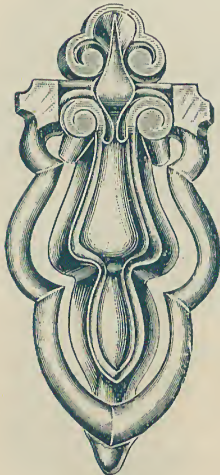
**Bell Pull.**  
Price 7/9 each.

No. 33.



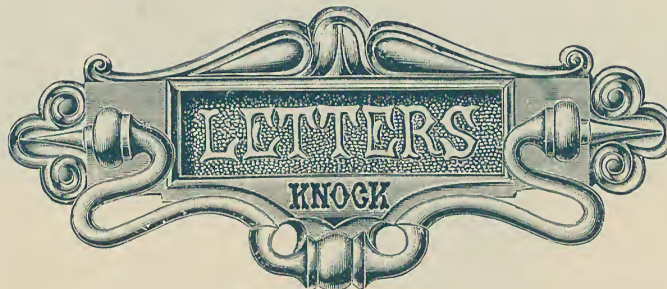
**Centre Door Knob.**  
Price 6/6 each.

No. 36.



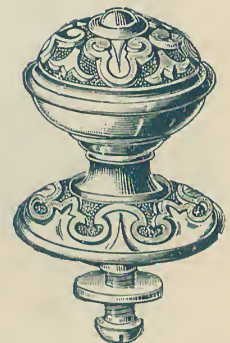
**Knocker.**  
8 3/4 in., 10/6 each.

No. 38.



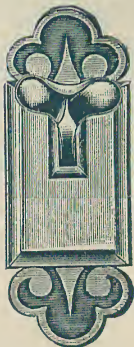
No. 37.—Postal Handle ... 13/- each.  
" 38. " Knocker ... 14/- "

No. 39.



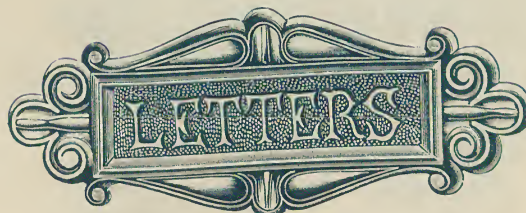
**Centre Door Knob.**  
8/- each.

No. 40.



**Quadrant Bell Pull.**  
Price 4/9 each.

No. 41.



**Letter Plate.**  
Price 6/6 each.

No. 42.



**Bell Pull.**  
Price 8/- each.

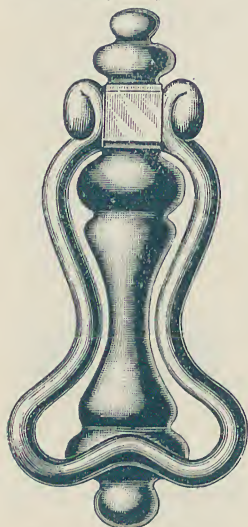
Bronze Medal, 1884,— Gold Medal, 1890.



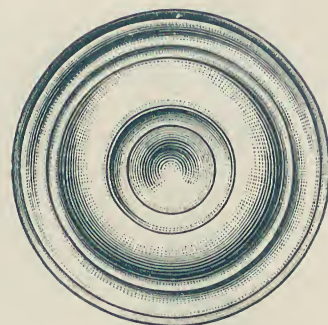
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**SUITES OF POLISHED BRASS OUTSIDE DOOR FURNITURE.**

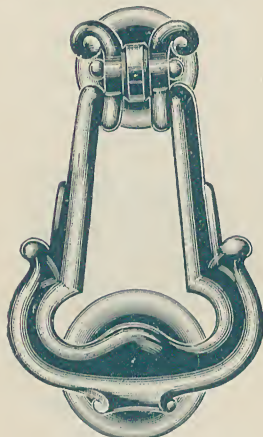
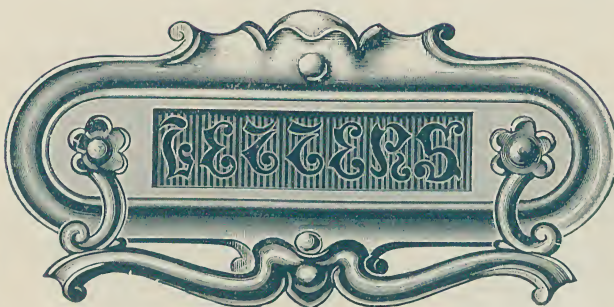

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**No. 43.****Door Knocker.**  
Price 6/6 each.**No. 44.****Postal Handle.**

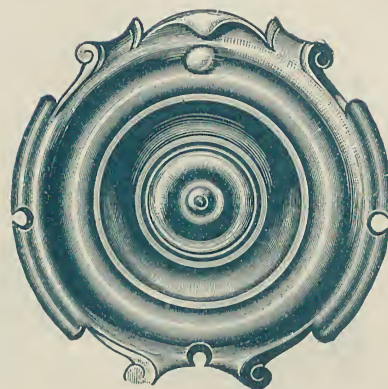
Price 10/- each.

**No. 45.****Bell Pull.**

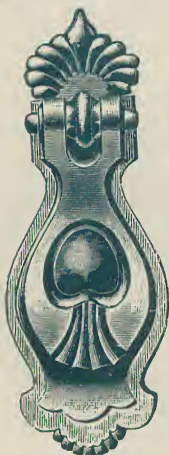
Price 6/- each.

**No. 46.****Knocker.**  
Price 8/- each.**No. 47.****Postal Handle.**

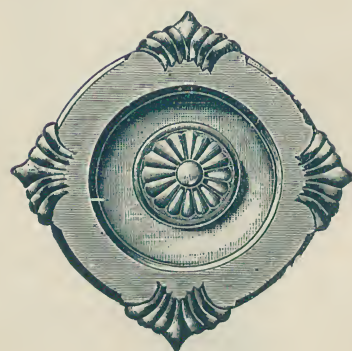
Price 11/3 each.

**No. 48.****Bell Pull.**

Price 10/- each.

**No. 49.****Knocker.**  
Price 9/- each.**No. 50.****Postal Handle.**

Price 11/3 each.

**No. 51.****Bell Pull.**

Price 8/9 each.

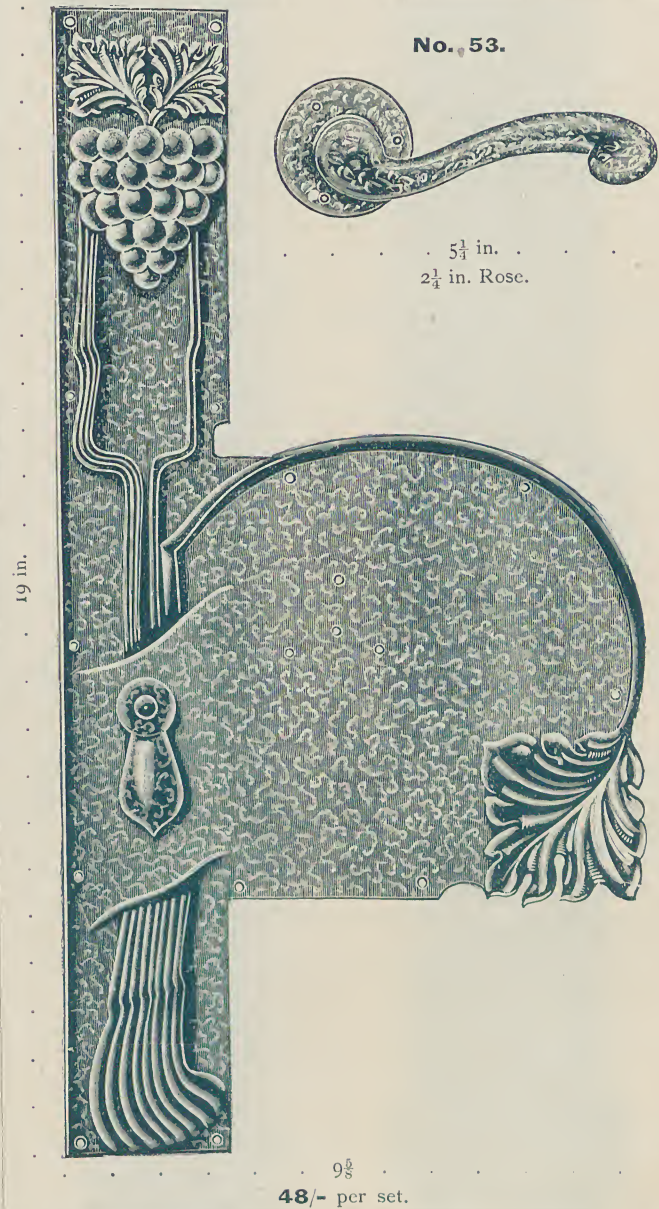
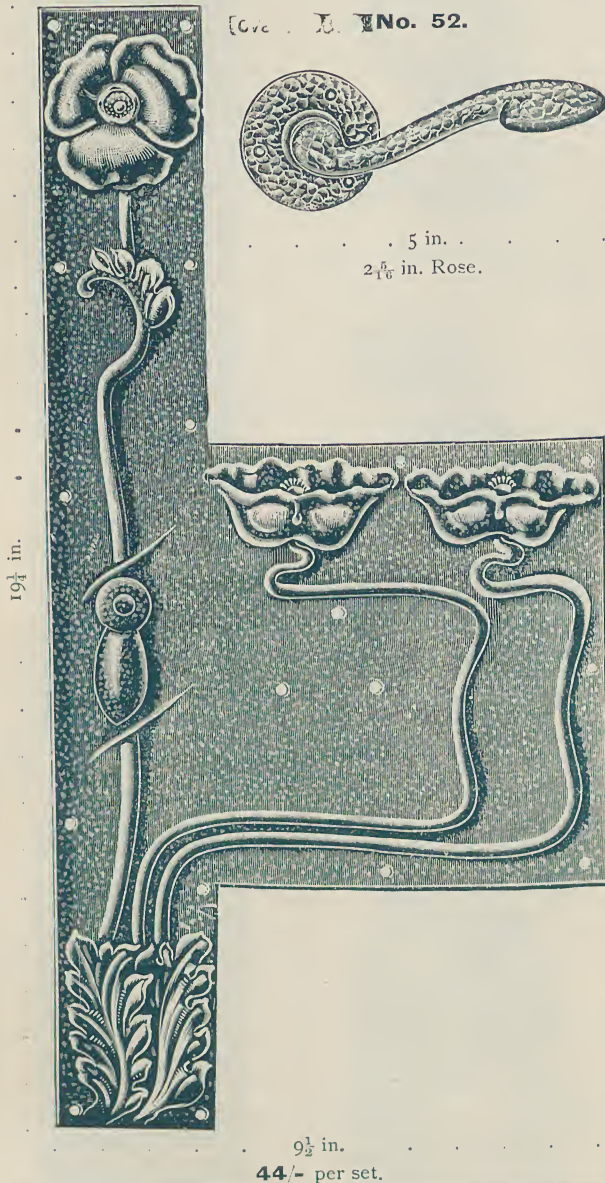
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**Awards for Excellence of Machines and Tools :**



## ANTIQUE BRONZED LOCK PLATES AND HANDLES.

Can also be supplied in polished Copper or Brass.



## POLISHED BRASS MORTISE FURNITURE.



Bronze Medal, 1884.—Gold Medal, 1890.



**POLISHED BRASS INSIDE DOOR FURNITURE.****No. 58.**

**Finger Plate.**  
 Long ... 12/- per doz.  
 Short ... 9/- "

**No. 59.**

**2-in. Pitt's  
Mortise Furniture.**  
 Per 4/- set.

**No. 60.**

**2-in. Pitt's  
Mortise Furniture.**  
 Per 4/3 set.

**No. 61.**

**2-in. Pitt's  
Mortise Furniture.**  
 Per 4/3 set.

**No. 62.**

**2-in. Pitt's  
Mortise Furniture.**  
 Per 4/- set.

**No. 63.**

**Finger Plate.**  
 Long ... 16/- per doz.  
 Short ... 12/- "

**No. 64.**

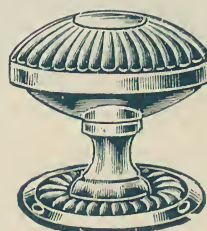
**Finger Plate.**  
 Long ... 10/- per doz.  
 Short ... 8/- "

**No. 65.**

**2-in. Pitt's  
Mortise Furniture.**  
 Per 3/10 set.

**No. 66.**

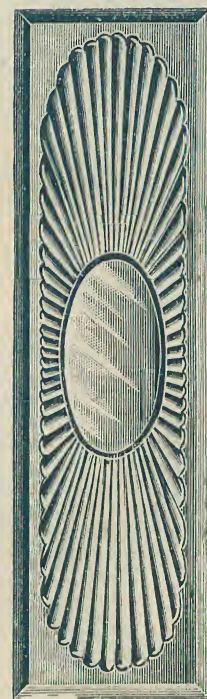
**2-in. Pitt's  
Mortise Furniture.**  
 Per 4/- set.

**No. 67.**

**2-in. Pitt's  
Mortise Furniture.**  
 Per 4/3 set.

**No. 68.**

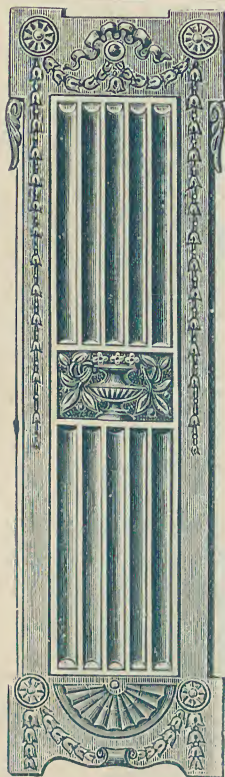
**Pitt's  
Mortise Furniture.**  
 Per 4/6 set.

**No. 69.**

**Finger Plate.**  
 Long ... 10/- per doz.  
 Short ... 8/- "



**POLISHED BRASS INSIDE DOOR FURNITURE.**



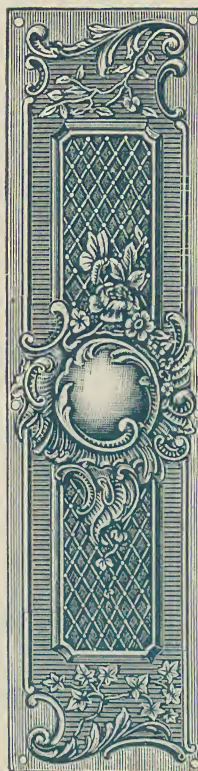
**No. 70.—Finger Plate.**  
Long, 3/3; short, 2/9 each.



**No. 71.—Pitt's Mortise Furniture.** Per 7/9 set.



**No. 72.—Bell Lever.**  
13/- pair.



**No. 73.—Finger Plate.**  
Long, 3/6; short 3/3 each.



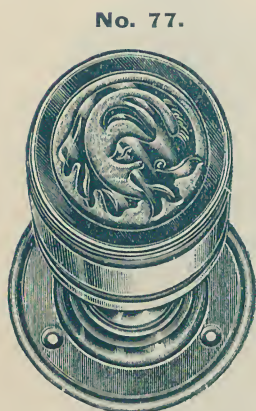
**No. 74.**  
**Pitt's Mortise Furniture.**  
Per 7/9 set.



**No. 75.**  
**Electric Push.**  
7/9 each.



**No. 76.—Finger Plate.**

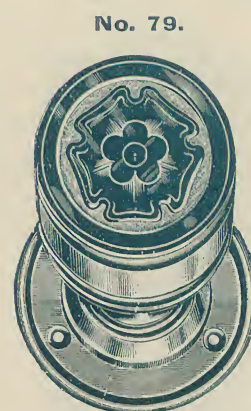


**No. 77.**  
**Brass Art Metal**  
**"Cameo" Patent Lock Furniture.**  
2-in. Pitt's.  
Per 4/6 set.

**Finger Plates.**  
Long ... .. 4/- each.  
Short ... .. 3/- "



**Finger Plate.**



**No. 79.**  
**Brass Art Metal**  
**"Cameo" Patent Lock Furniture.**  
2-in. Pitt's.  
Per 4/- set.

**Finger Plates.**  
Long ... .. 3/- each.  
Short ... .. 2/- "

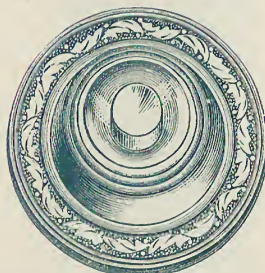


**POLISHED BRASS INSIDE DOOR FURNITURE.****No. 89.****Brass Finger Plates.**

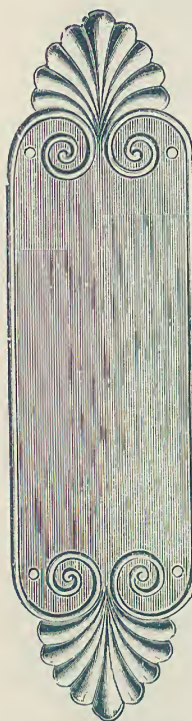
Long ... 1/9 each.  
Short ... 1/6 "

**No. 90.****Pitt's Brass Mortise Furniture.**

2 1/4 in. 6/3 per set.

**No. 91.****Brass Electric Pushes.**

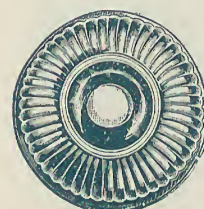
6/6 each.

**No. 92.****Finger Plates.**

Long ... 2/4 each.  
Short ... 1/10 "

**No. 93.****Pitt's Brass Mortise Furniture.**

Per 7/6 set.

**No. 94.****Cast Brass Electric Push.**

5/- each.

**No. 95.****Brass Finger Plates.**

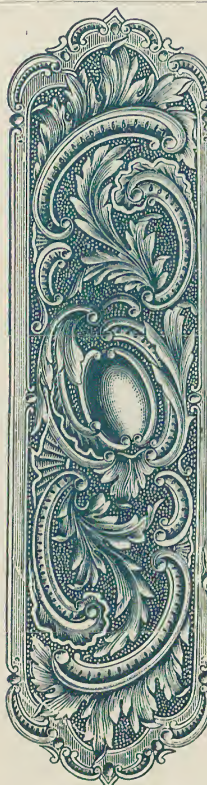
Long ... 3/3 each.  
Short ... 2/9 "

**No. 96.****Brass Mortise Furniture.**

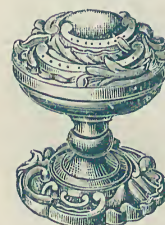
Per 9/- set.

**No. 97.****Electric Push.**

4/- each.

**No. 98.—Finger Plate.**

Long ... 3/9 each.  
Short ... 3/3 "

**No. 99.****Oval Brass Mortise Furniture.****Wilkes' Spindle.**

Per 12/- set.

**No. 100.****Electric Push.**

6/6 each.



**POLISHED BRASS FINGER PLATES.**

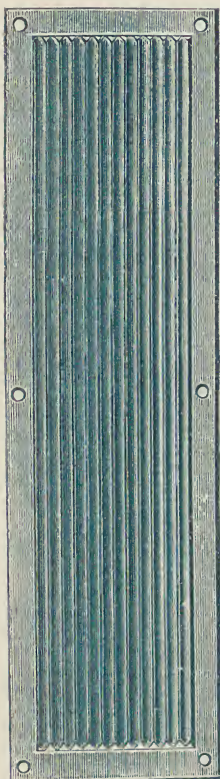
**No. 101.**



Machine Made.

Long,  $7/9$ ; short,  $6/6$  per doz.

**No. 102.**



Solid Drawn.

Long,  $2/3$ ; short,  $2/-$  each.

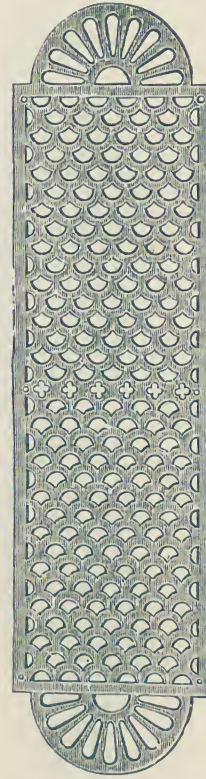
**No. 103.**



Solid Drawn.

Long,  $2/6$ ; short,  $2/3$  each.

**No. 104.**



Perforated.

Long,  $2/9$ ; short,  $2/3$  each.

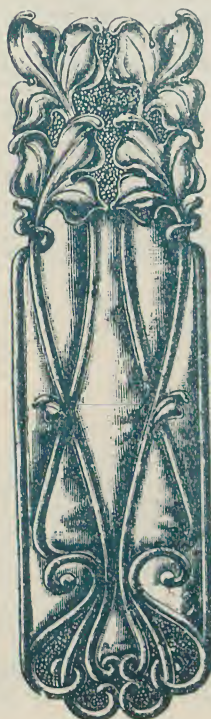
**No. 105.**



Stamped, Machine Made.

Price  $2/3$  each.

**No. 106.**



Stamped.

Price  $2/-$  each.

**No. 107.**



Stamped.

Price  $2/-$  each.

**No. 108.**



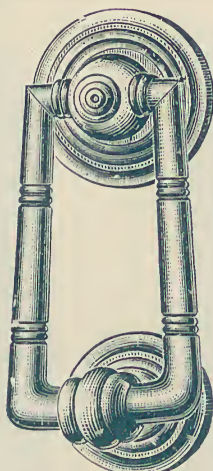
Brass. Copper.  
Price  $2/-$  ...  $2/6$  each.

**Bronze Medal, 1884.—Gold Medal, 1890.**

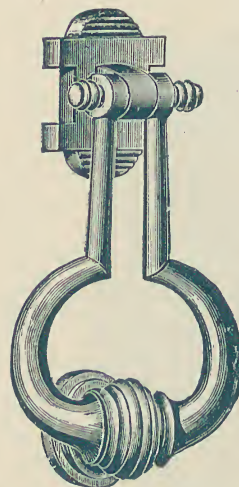


**POLISHED BRASS DOOR KNOCKERS.**

**No. 109.—Polished Brass Postal Knocker.** Price 6/9 each.



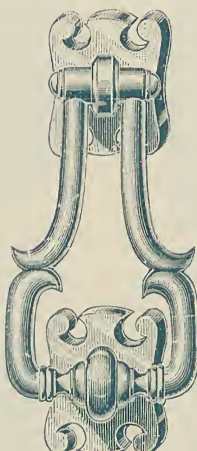
Sizes 6 7½ 10 in.  
**No. 110.**—Price 10/3 11/9 19/- each.



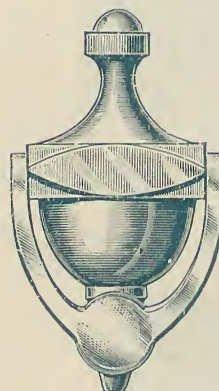
**No. 111.**—Price 6/9 each.



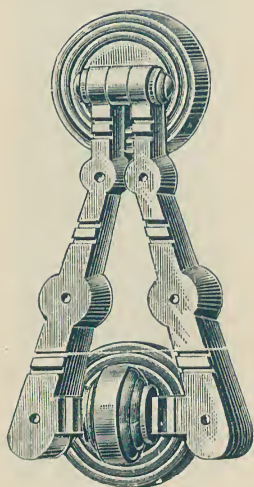
Sizes 5¼ 6½ in.  
**No. 112.**—Price 3/6 4/3 each.



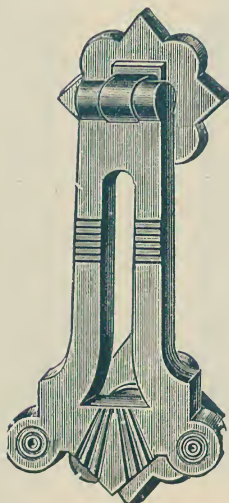
**No. 113.**—Price 4/- each.



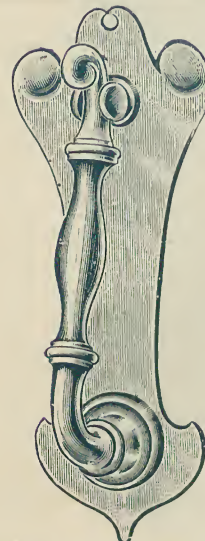
**No. 114.**—Price 4/- each.



**No. 115.**—Price 4/6 each.



**No. 116.**—Price 5/- each.

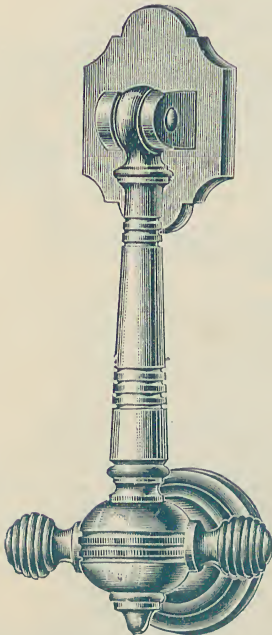


**No. 117.**—Price 8/6 each.  
In polished Gun Metal, 10/- each.



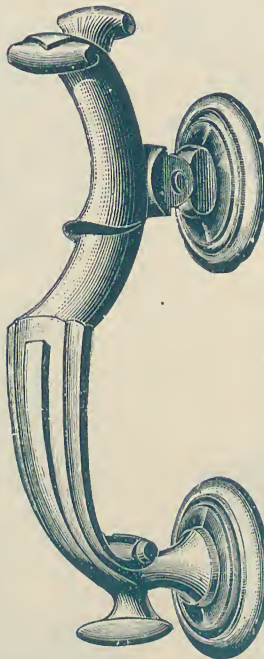
**POLISHED BRASS DOOR-KNOCKERS AND POSTAL HANDLES.**

**No. 118.**



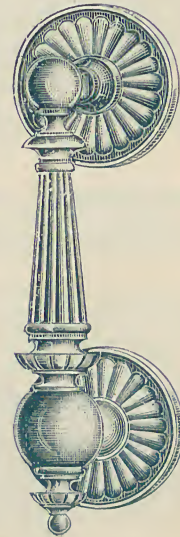
Polished or Steel Bronzed.  
Price 4/- each.

**No. 119.**



Sizes	6	7	8	9½ in.
Price	8/-	13/-	16/-	18/- each.

**No. 120.**



Very Massive.  
Polished.  
Price 11/- each.

**No. 122.**



Polished ... 8/- each.

**No. 123.**



Polished.  

Sizes	10	12	14 in.
Price	13/-	21/-	25/- each.

**No. 124.**



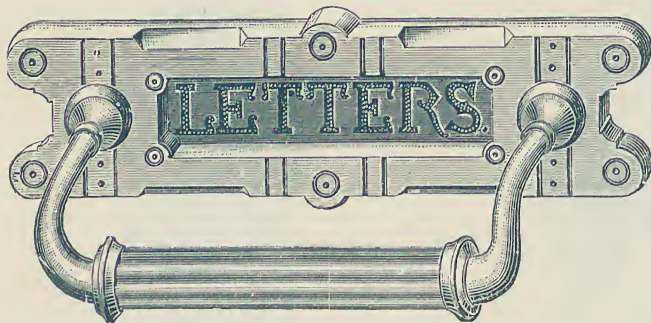
Polished ... 6/- each.

**No. 125.**



**No. 125.** Polished ... 10/9 each.  
**No. 125a.** Larger ... 16/6 "

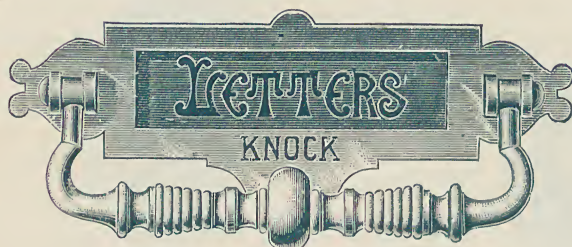


**POLISHED POSTAL DOOR HANDLES.****No. 127.**

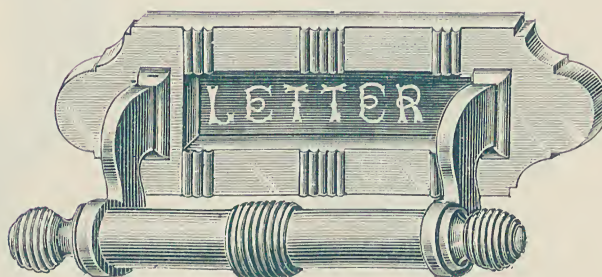
Price 7/- each.

**No. 128.**

Price 7/6 each.

**No. 129.****Handle and Knocker combined.**

Price 6/6 each.

**No. 130.**

Price 6/- each.

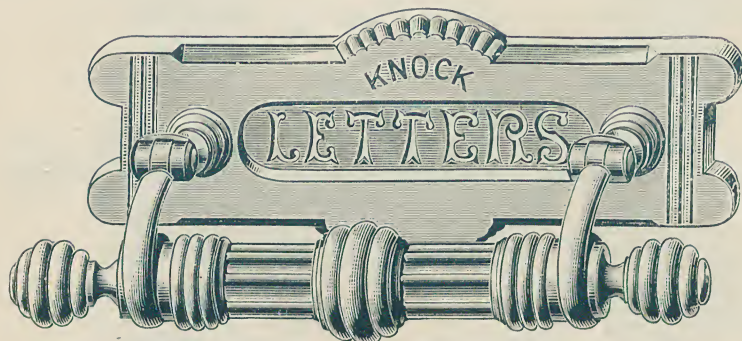
**No. 131.****Handle and Knocker combined.**

Price 6/9 each.

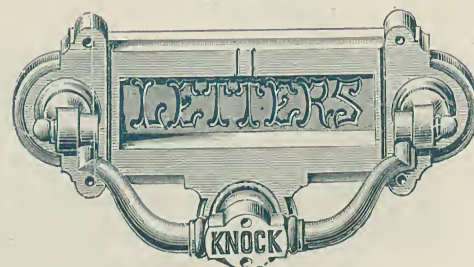
**No. 132.**

Stamped with Cast Brass Handle.

Price 7/- each.

**No. 133.****Massive Postal Handle and Knocker combined.**

Price 13/- each.

**No. 134.****Handle and Knocker combined.**

Price 7/9 each.



## BRASS LETTER PLATES, LETTER CAGES.

No. 138.



Size ...  $5\frac{1}{2}$  8 in.  
Price ... **2/9** **4/-** each.  
Bronzed and Relieved, same price.

No. 139.



Price **3/-** each.  
Bronzed and Relieved, same price.

No. 140.



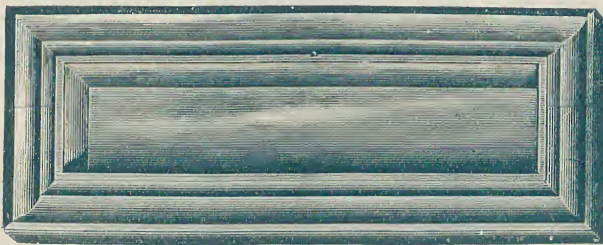
Bronzed and Relieved.  
Size ...  $5 \times 2$   $6 \times 2\frac{1}{4}$   $8 \times 3$   $10 \times 4$  in.  
Price ... **2/6** **3/-** **5/9** **10/-** each.

No. 141.



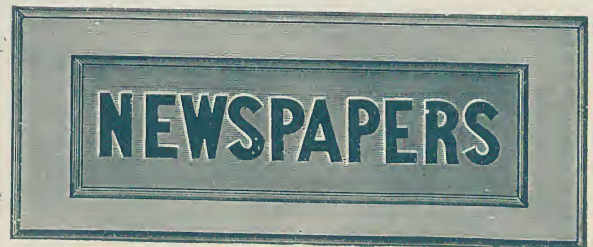
Price **4/6** each.  
Polished.

No. 142.



Polished.  
Size ...  $6\frac{1}{2}$   $9\frac{1}{2}$  in.  
Price ... **3/6** **4/6** each.

No. 143.



Size  $7 \times 3$  in.; price **12/-**  
Highly finished. Engraved.

No. 144.



Size,  $6 \times 2\frac{1}{4}$  in.  
Bronzed and Relieved.  
**2/9** each.

No. 145.



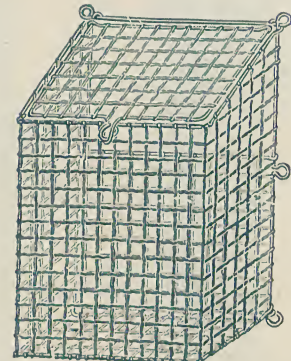
Size, 7 in.  
Bronzed and Relieved.  
**3/3** each.

No. 146.



Polished.  
Size  $6\frac{1}{2} \times 2\frac{1}{4}$  in. **4/6** each.  
 $8 \times 3$  " **7/9** "

No. 149.



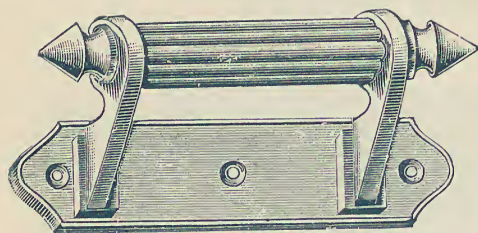
Wire Letter Cages.

	Size.	Galvanized.	Brass.
No. 1.	$12\frac{1}{4} \times 7\frac{3}{4} \times 4\frac{1}{4}$ deep	<b>4/3</b>	<b>6/9</b>
" 2.	$11\frac{1}{2} \times 7 \times 3\frac{1}{2}$ "	<b>3/9</b>	<b>5/9</b>
" 3.	$14 \times 8 \times 4\frac{3}{4}$ "	<b>5/-</b>	<b>11/-</b>
" 4.	$16 \times 9 \times 5$ "	<b>6/9</b>	<b>12/9</b>

WOOD AND JAPANNED LETTER BOXES KEPT  
IN ALL SIZES.



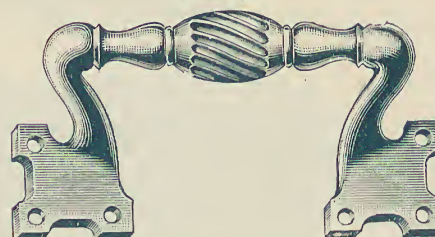
No. 151.



Shown half size. Price 1/4 each.

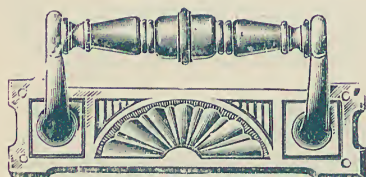
# STRONG BRASS SASH HANDLES.

No. 152.



Shown one-third full size. Polished, 4/6 each.

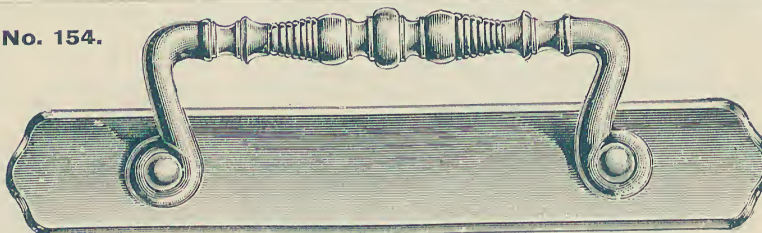
No. 153.



Shown one-third full size.

Price 3/9 each.

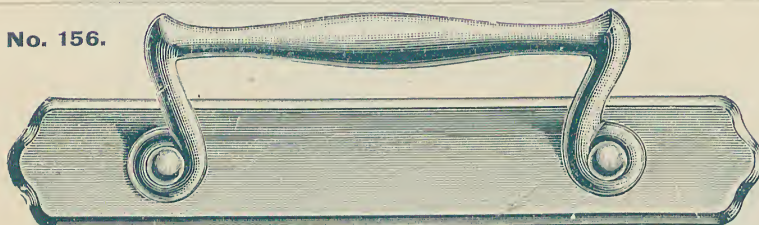
No. 154.



Shown one-third full size.

No. 154.—With 12-in. Backplate as drawn ... 9/- each.  
 „ 155.—Without ditto ... 5/- „

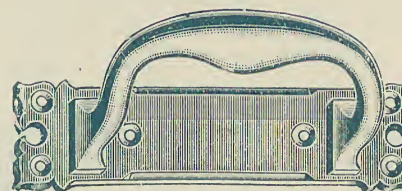
No. 156.



Shown one-third full size.

No. 156.—With 12-in. Backplate as drawn ... 8/9 each.  
 „ 157.—Without ditto ... 4/9 „

No. 158.

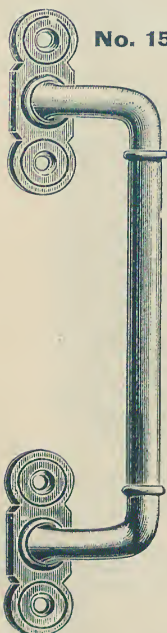


Shown one-third full size.

Price 3/- each.

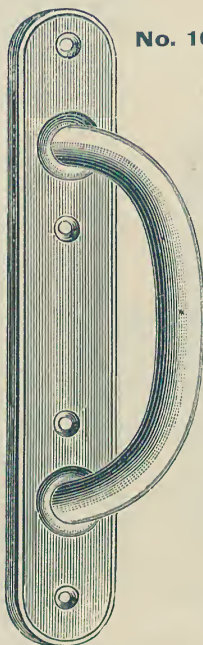
# POLISHED BRASS BAR DOOR HANDLES.

No. 159.



Sizes 7 9 11½ in.  
 Price 2/6 4/- 6/6 each.

No. 160.



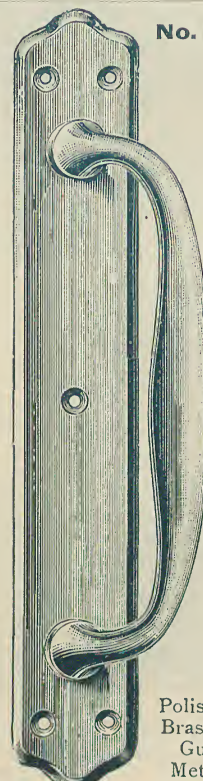
Sizes 8 10 12 in.  
 Price 4/- 4/3 4/6 each.

No. 161.



Sizes 8½ 10 12 in.  
 Price 2/6 3/6 6/9 each.

No. 162.

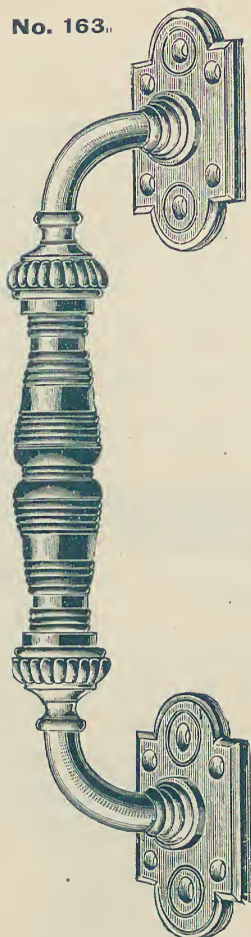
Polished  
Brass or  
Gun  
Metal.

10 x 1¼ in., 5/6; 12 x 2 in., 7/9;  
 13 in., 13/- each.



**POLISHED BRASS DOOR HANDLES.**

No. 163.



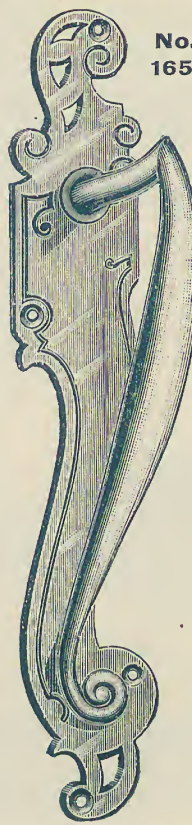
With Ebony Grip.  
13/- each.

No.  
164.



Polished Brass.  
11/6 each.

No.  
165.



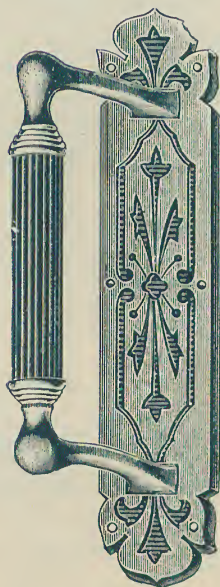
Polished Brass.  
Size 13 15½ in.  
Price 13/- 14/- each.

No. 166.



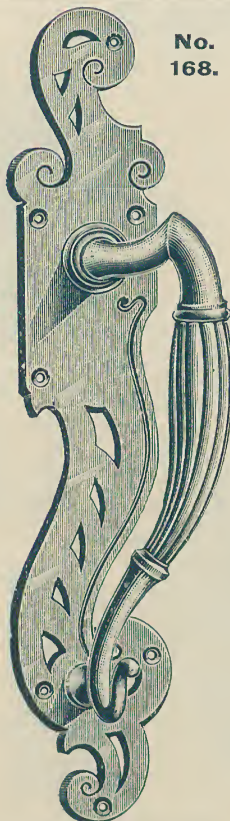
With Ebony Grip.  
16/- each.

No. 167.



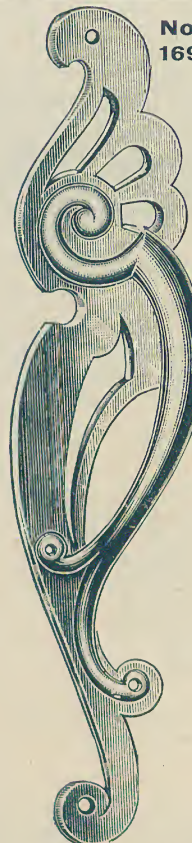
With Ebony Grip.  
5/9 each.

No.  
168.



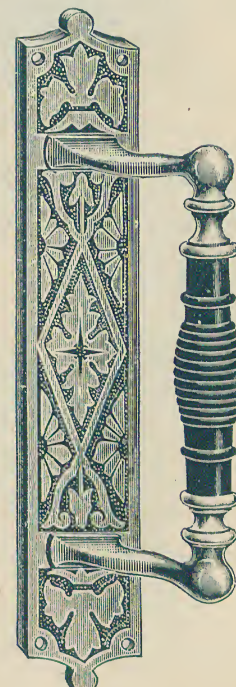
Brass Plate, Gun Metal Grip.  
Size 13 15½ in.  
Price 18/- 22/6 each.

No.  
169.



Polished Brass ... 9/- each.  
Gun Metal ... 11/- ..

No. 170.

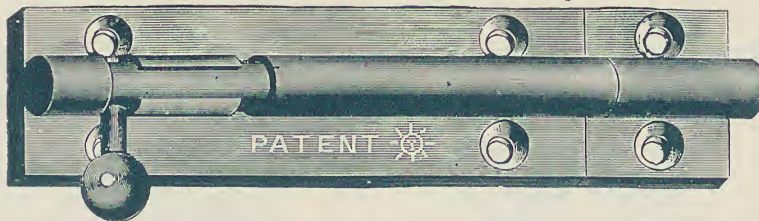


With Ebony Grip.  
6/- each.



**BRASS BARREL BOLTS, Etc.**

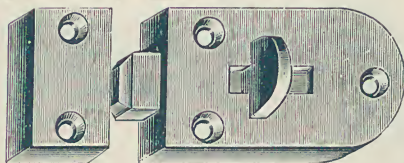
**Machine Made  
Solid Drawn Socket  
Bolts.**



No. 180.

	Size	2½	3	4	5	6	7	8	9	10	12	15	18	21	24	in.
No. 180.	¾ × ½ in. Shoot	9/6	10/-	11/6	13/-	14/6	16/-	17/6	18/9	20/-	23/-	26/-	28/-	30/-	38/-	doz.
No. 181.	Ditto, Necked	11/6	12/-	14/-	16/-	17/-	—	—	—	—	—	—	—	—	—	"
No. 182.	1 ⅜ × ⅜ in. Shoot	13/6	14/-	16/-	17/6	19/-	21/-	22/6	25/6	27/6	31/-	37/-	43/-	50/-	58/-	"
No. 183.	Ditto, Necked	—	15/6	18/-	20/6	22/-	25/-	27/6	30/-	—	34/6	—	—	—	—	"
No. 184.	1 ⅜ × ½ in. Shoot	14/6	15/-	18/-	21/-	24/-	26/6	30/-	33/-	35/6	41/-	50/-	60/-	69/-	77/-	"
No. 185.	Ditto, Necked	—	18/-	22/-	25/-	29/-	32/-	38/-	40/-	—	—	—	—	—	—	"
No. 186.	1 ⅜ × ⅝ in. Shoot	—	—	—	—	38/-	40/-	46/-	49/-	55/-	63/-	80/-	96/-	112/-	130/-	"

No. 187.

**Brass Door Bolt.**

No. 187. Small, 2½ in. 1/3 each.

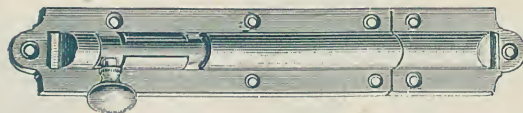
No. 188. Larger, 3½ in. 2/9 "

No. 193.

**Brass Blind Bolt.**

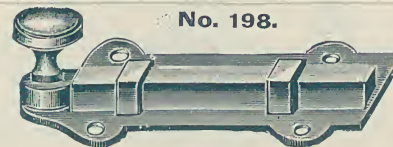
	Size	2	2½	3	3½	4	in.
No. 193.	Straight	5/9	6/9	7/6	9/6	11/6	doz.
No. 194.	Necked	7/6	8/6	9/-	11/6	14/-	"

No. 190.

**Cast Brass Barrel Bolts, with Iron Shoots and Back Plates.**

	Size	3	3½	4	5	6	7	8	9	10	12	in.
No. 190.	¾ in. wide	10/6	11/6	12/6	14/-	16/6	21/-	25/-	—	—	—	doz.
No. 191.	1 in. "	12/-	13/6	16/-	18/-	21/-	25/-	28/-	32/-	36/-	46/-	"
No. 192.	1½ in. "	15/6	17/-	18/6	22/-	25/-	29/-	34/-	37/-	41/-	47/-	"

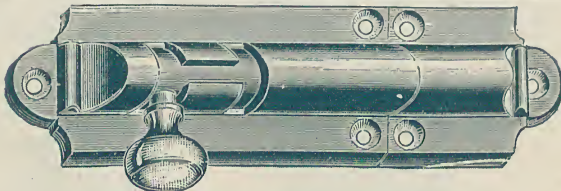
No. 198.

**Brass Cupboard Bolt.**

	Size	3	3½	4	in.
	Price	8/-	8/6	9/6	doz.

Necked same price.

No. 195.

**Extra Strong Brass Socket Bolt.**

Iron Shoots and Back Plates.

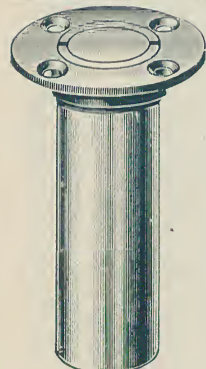
	Sizes	6	7	8	9	10	12	15	18	21	24	in.
No. 195.	1½ in. wide	3/-	3/6	4/-	4/6	5/-	5/9	7/9	9/-	10/9	12/-	each.
No. 196.	1 in. "	3/6	4/-	4/6	5/-	5/6	6/3	8/9	11/9	15/9	24/-	"
No. 197.	1 ⅜ in. "	4/3	5/-	5/6	6/-	6/9	8/-	10/-	12/6	15/-	28/-	"

No. 204.

**Improved Patent Dirt  
Excluding Bolt Sockets  
for Floors.**

	Size of Holes.	2½	3	3½	4	in.
		1/8	2/-	2/3	3/-	each.

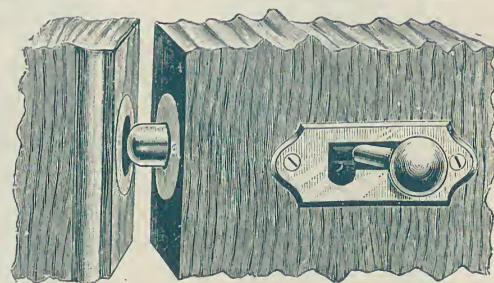
Never requires to be removed from  
the floor.



Exterior.



Interior.



No. 199.

**Patent Paragon Bolt.**

No. 199.	2 in. Iron Bolt,	12/-	per doz.
No. 200.	2½ in. Brass Bolt,	14/-	"
No. 201.	3 in. Iron Bolt,	13/-	"
No. 202.	3½ in. Iron Bolt,	15/-	"

No. 205.

**Brass Gun  
Case Bolts.**

1/6 each.



No. 206.



**Brass Desk  
Bolts.**

-/4 each.

**Awards for Excellence of Machines and Tools :**



## BRASS FLUSH BOLTS.

**No. 209.**  
SUNK SLIDE.

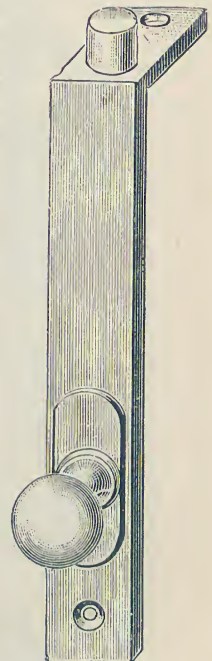


Length,	3	4	5	6	7	9	10	12	14	16	18	24	30	36 in.
$\frac{1}{2}$ in. wide	5/-	6/6	8/-	9/6	11/-	13/6	15/6	19/-	—	—	—	—	—	—
" "	6/-	8/-	9/6	11/6	13/-	17/-	18/6	23/-	26/-	—	—	—	—	—
" "	7/-	9/-	11/6	13/6	15/-	18/6	21/-	26/-	30/-	32/-	34/-	50/-	66/-	81/-
" "	8/-	10/6	13/-	15/-	17/-	20/-	23/-	28/-	32/-	37/-	42/-	54/-	73/-	93/-
1 " "	—	12/-	14/6	17/6	18/6	23/-	26/-	33/6	35/-	40/-	46/-	64/-	82/-	100/-
1 $\frac{1}{4}$ " "	—	—	—	22/-	25/-	33/6	37/-	46/-	51/-	60/-	68/-	84/-	118/-	140/-
1 $\frac{1}{2}$ " "	—	—	—	—	—	—	—	69/-	80/-	91/-	101/-	130/-	166/-	198/-

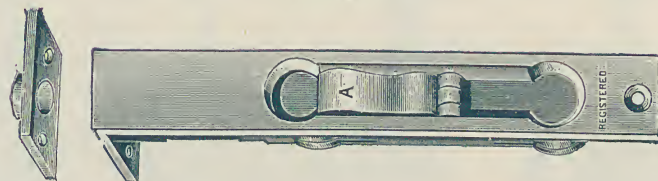
per dozen.

Sunk Slide or with Knob same price.

**No. 210.**  
WITH KNOB.



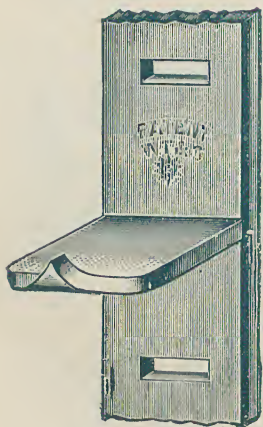
**No. 211.**



**Registered Flush Bolt with Sunk Lever Action.**

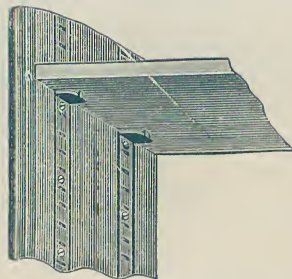
Length,	6	8	10	12	14	18	24 in.
$\frac{3}{4}$ in. wide	3/6	3/9	4/-	4/3	5/-	6/-	7/6 each.
$\frac{7}{8}$ " "	4/3	4/6	5/-	5/-	5/9	6/9	8/6 "
1 " "	4/9	5/-	5/6	5/9	6/6	7/6	9/6 "
1 $\frac{1}{4}$ " "	—	—	7/6	8/-	9/-	10/6	13/- "
1 $\frac{1}{2}$ " "	—	—	10/-	11/-	12/-	14/6	18/- "

**No. 212.**



Flush for Bookshelves.

**Patent Bookcase Strip.**



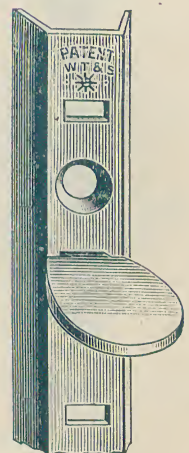
Showing mode of fixing.

- No. 212.**—Strip Iron, -/2 $\frac{1}{2}$  per foot.  
**No. 213.**—Strip Brass, -/7 $\frac{1}{2}$  "  
**No. 214.**—Strip Iron, -/5 "  
**No. 215.**—Strip Brass, -/8 "

### STUDS FOR

- No. 212.**—Iron, 6/- per gross.  
**No. 213.**—Brass, 10/6 "  
**No. 214.**—Iron, 6/- "  
**No. 215.**—Brass, 9/6 "

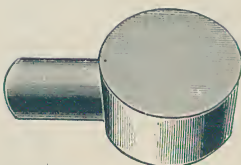
**No. 214.**



Projecting for Shelves.

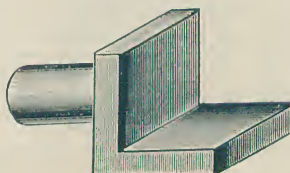
### Cast Brass Bookshelf Studs.

**No. 216.**



- No. 216.**— 2/- per doz.  
**No. 217.**—Larger, 2/3 "

**No. 218.**



- Full Size.  
 Per 2/9 doz.

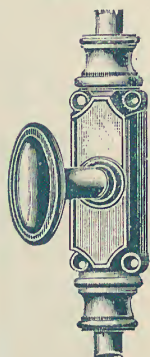
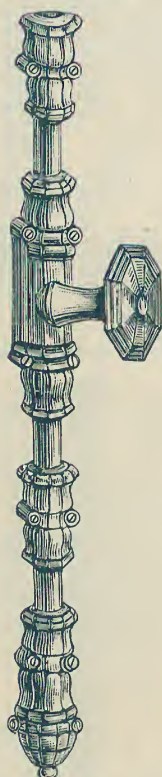
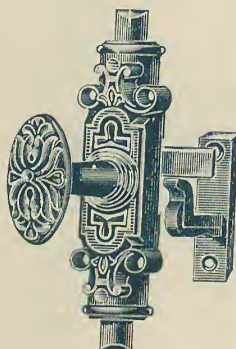
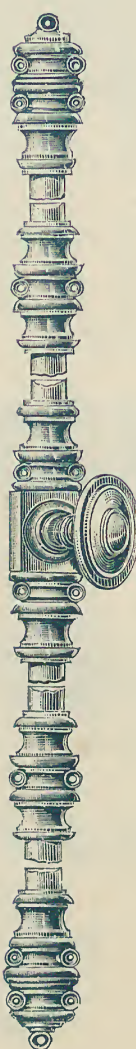
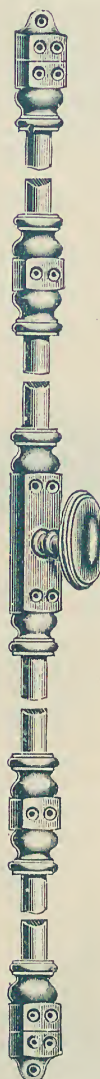
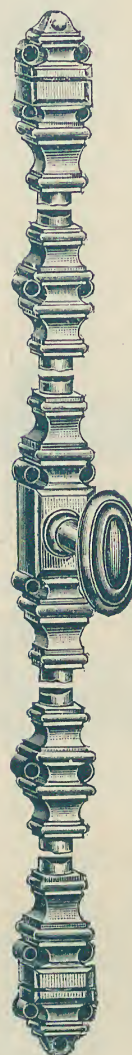
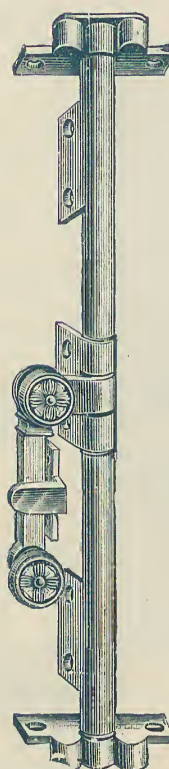
**No. 219.**



**Brass Box Plates.**

Sizes	1 $\frac{1}{2}$ x $\frac{1}{2}$	2 x $\frac{3}{4}$	3 x $\frac{5}{8}$ in.
Price	1/9	2/-	2/3 doz.



**BRASS AND IRON FRENCH WINDOW BOLTS.****No. 222.****No. 223.****No. 224.****No. 225.****No. 228.****No. 231.****No. 233.****No. 236.****Espagnolette Bolt.**

Size.	Per foot.
$\frac{1}{2}$ in. ...	3/9
$\frac{5}{8}$ in. ...	4/-
$\frac{3}{4}$ in. ...	4/9
$\frac{7}{8}$ in. ...	6/-

**PRICES:—**

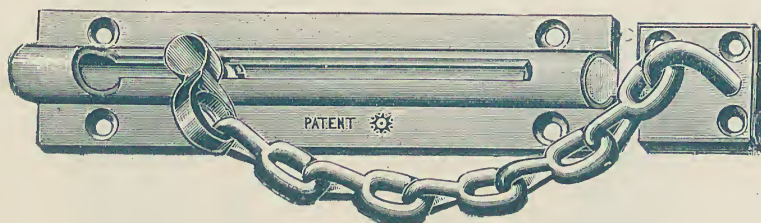
<b>No. 222 &amp; 3.</b>	7 ft. $\times \frac{5}{8}$ in. half-round Iron Casement Bolts with Oval Knobs, complete with fittings...	2/6 each.
„ <b>222 &amp; 3.</b>	7 ft. $\times \frac{3}{4}$ in. half-round Iron ditto ditto ...	3/3 „
„ <b>222 &amp; 3.</b>	7 ft. $\times \frac{5}{8}$ in. half-round Iron with Brass T handle ...	4/- „
„ <b>224.</b>	7 ft. $\times \frac{5}{8}$ in. half-round Iron with Centre Bolt ...	3/- „
„ <b>224.</b>	8 ft. 3 in. $\times \frac{5}{8}$ in. half-round Iron ditto ditto ...	3/6 „
„ <b>225.</b>	All Brass, polished with fittings complete ...	5/6 per foot.
„ <b>225.</b>	Iron Rods, with Brass fittings ...	4/6 „
„ <b>225.</b>	Bronzed Iron with fittings complete ...	2/3 „
„ <b>228.</b>	All Brass, polished with fittings complete ...	6/- „
„ <b>228.</b>	Bronzed Iron Rods, with Brass fittings ...	5/- „
„ <b>229.</b>	All Iron, with fittings complete ...	2/6 „
„ <b>231.</b>	7 ft. $\times \frac{7}{16}$ Rod, all Brass, with fittings complete ...	15/- each.
„ <b>231.</b>	7 ft. $\times \frac{7}{16}$ Rod, all Iron, with fittings complete ...	5/- „
„ <b>233.</b>	7ft., all Brass, polished with fittings complete ...	21/- „
„ <b>233.</b>	8 ft., ditto ditto ...	23/- „
„ <b>233.</b>	7 ft. Iron Rods, Brass fittings ...	19/- „
„ <b>233.</b>	8 ft. ditto ditto ...	20/- „

**Awards for Excellence of Machines and Tools:**



## BRASS DOOR CHAINS, NIGHT BOLTS, Etc.

No. 239.

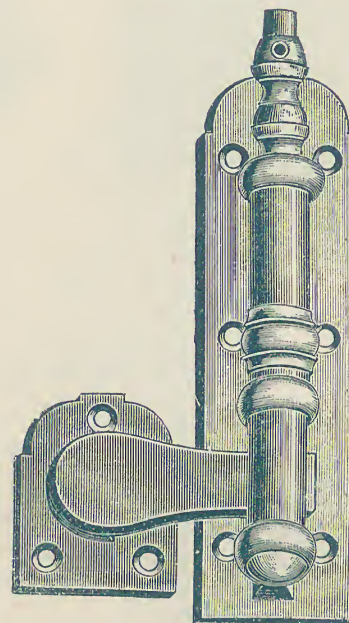


Solid Drawn.

Size ... 6 7 in.

Price ... 3/- 3/6 each.

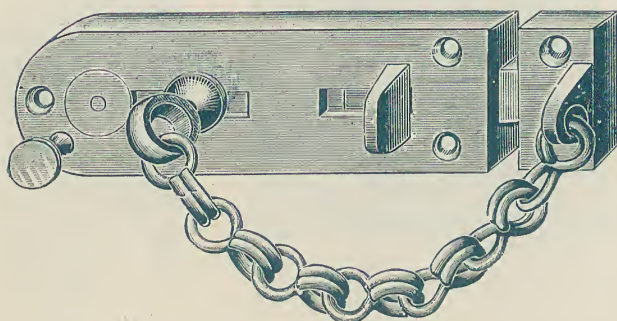
No. 242.



Brass Night Bolt.

6 in., price 4/9 each.

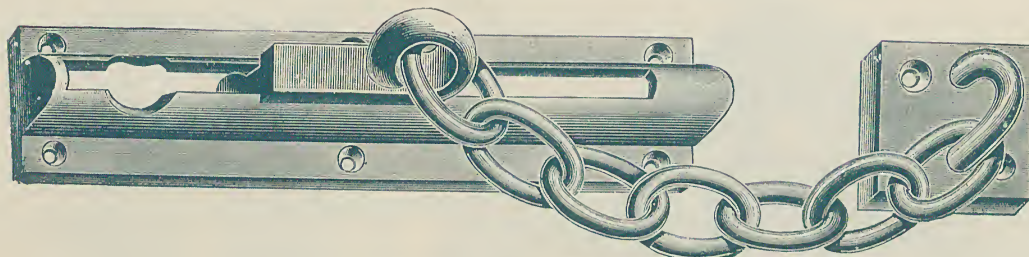
No. 240.



Polished.

Price 4/3 each.

No. 241.

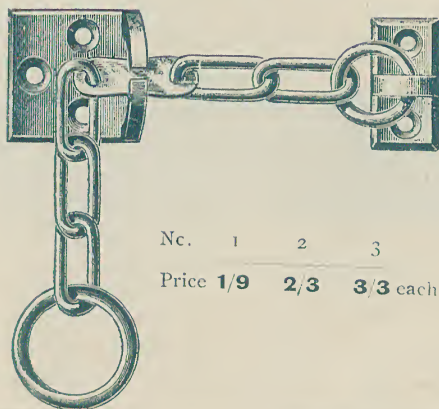


Extra Strong. Polished.

Size ... 6 7 8 9 10 in.

Price ... 5/6 6/- 7/- 8/- 9/- each.

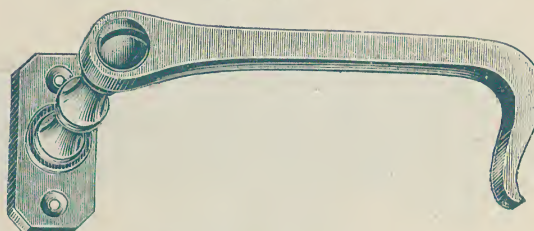
No. 243.



No. 1 2 3

Price 1/9 2/3 3/3 each

No. 244.



Brass Draw-Back Hook.

Price 1/3 each.

No. 245.



Square Gothic Brass Bolt.

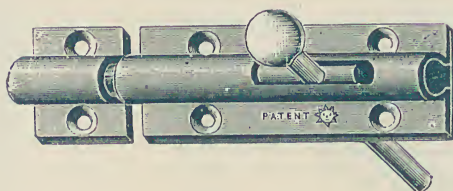
Size 9 12 in.

Price 9/- 11/6 each.

Bronze Medal, 1884.—Gold Medal, 1890.



## BRASS INDICATING W.C. BOLTS AND NAME PLATES.



No. 249.

Machine Made Bolt and Indicator.

Price complete, 3/- each.

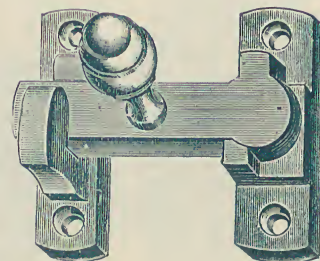
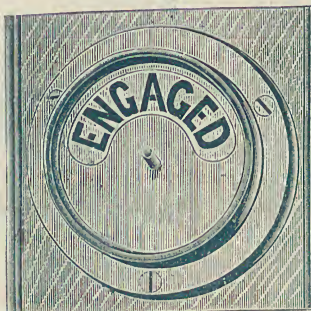
No. 250.

Improved  
Office and W.C. Latch and Indicator.  
(Registered.)

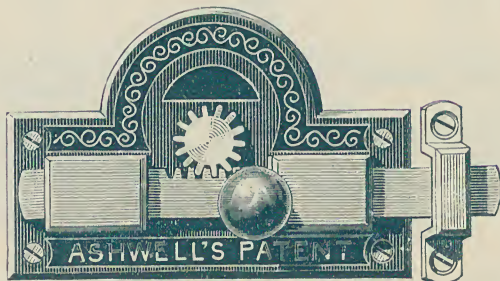
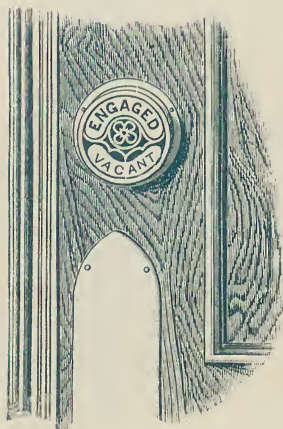
Price complete, 4/6 each.

When door is unfastened, the Indicator shows "Vacant," and  
when closed shows "Engaged."

To utilise for right or left hand doors, it is only necessary to fix  
the disc on opposite square of the spindle.



No. 251.



Inside view of Bolt, half actual size.

Ashwell's Patent.

Self-adjusting, and suitable for doors of any thick-  
ness, hung either way, without alteration or cutting  
of spindle.

Prices:

No. 251. Lacquered Brass, 9/- each.

No. 252. Nickel Plated, 11/6 "

No. 253.

Half Size.



Notice Plate in China,  
Price 8/- per doz.

Name Plates.

No. 254.



Bronzed and Relieved, 1/9 each.

"Knock and Ring," "Ring Also," "Visitors," "Please Shut the Door, etc.

A large variety always in Stock.  
Any size or pattern made to order.

No. 255.



Engraved Red or Black  
"In," "Out," "Push,"  
"Pull," "Ring," "Open,"  
"Shut," etc.

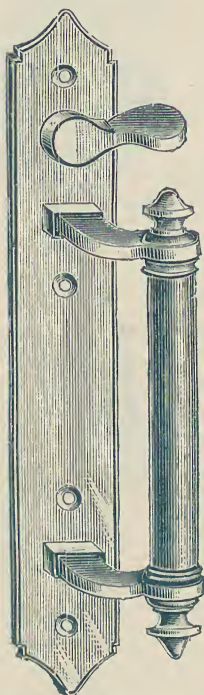
7/- per doz.

Awards for Excellence of Machines and Tools:



## BRASS NORFOLK LATCHES.

No. 260.

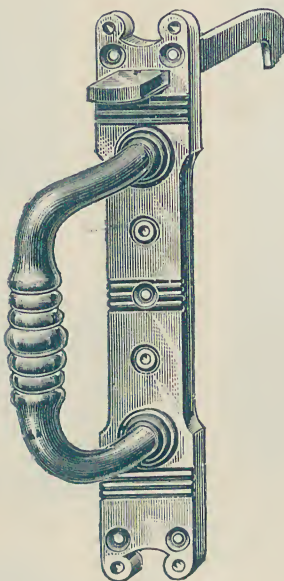


**Brass Mortise Latch.**

Size ... 8 9 10 in.

Price ... 10/6 11/6 13/- per pair.

No. 261.

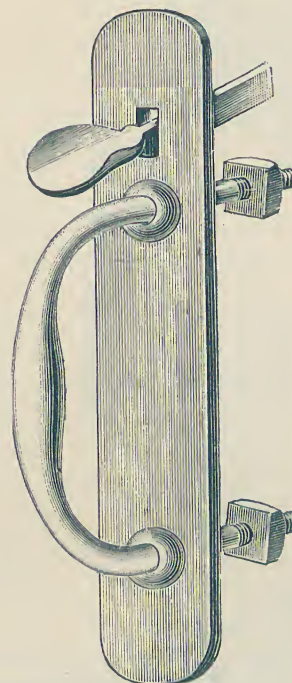


Price 5/- each.

**No. 262.**—With Brass Furniture.

7/6 each.

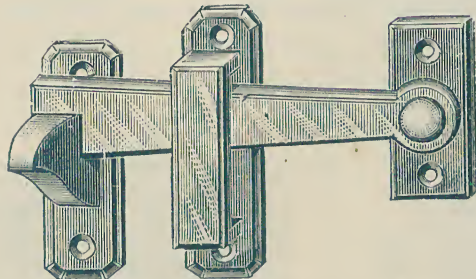
No. 263.



Price 2/9 each.

No Furniture.

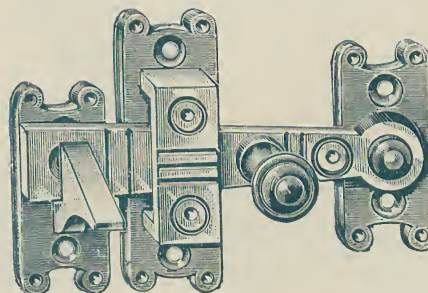
No. 264.



Size ... 3 3½ 4 5 6 in.

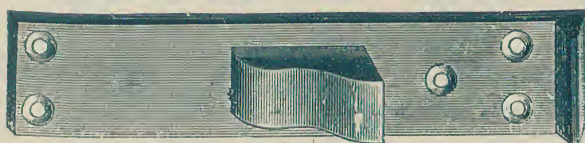
Price ... 1/9 2/- 2/3 3/- 3/6 per set.

No. 265.



Per 3/- set.

No. 266.



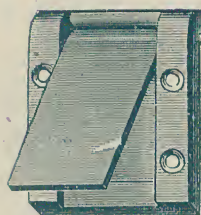
**Brass Floor Door Stop.**

Size 4 x 1 5 x 1¼ 6 x 1½ 6 x 2 in.

**No. 266.**—Price, with End Stop — — 1/9 2/9 each.

„ 267.— „ without ditto 1/- 1/6 1/8 2/6 „

No. 268.

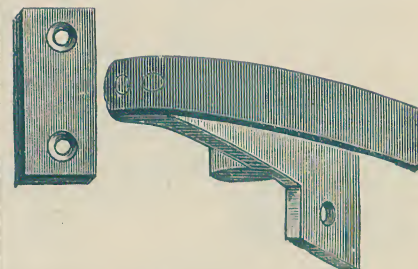


**Brass Door Slam.**

Size 1½ 1¾ 2¼ in.

Price -/9 1/- 1/6 each.

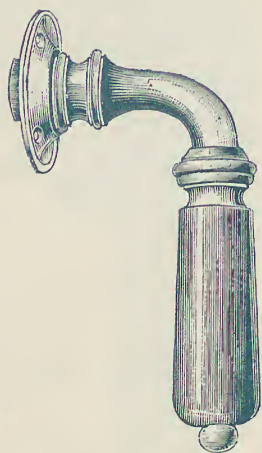
No. 269.



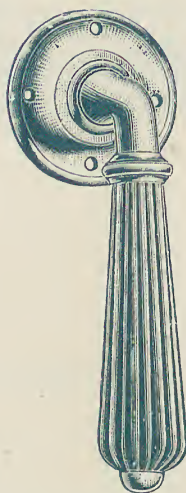
**Brass Door Slam.**

Price 1/- each.

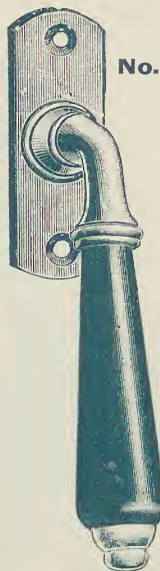


**LEVER HANDLES, CRANK HANDLES, Etc.****No. 272.**

Polished Brass ... **2/9** each.  
 China Handle ... **2/6** "  
 Ebony .. ... **3/-** ..

**No. 273.**

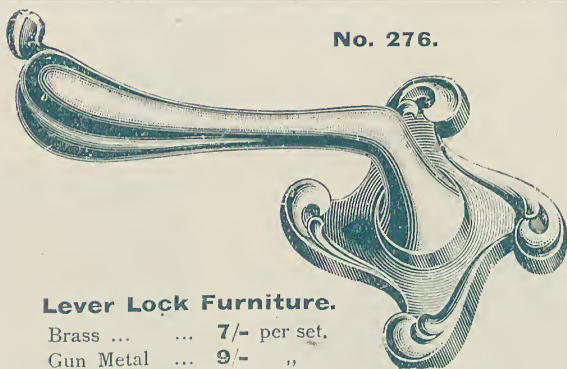
Polished Brass.  
**3/-** each.

**No. 274.**

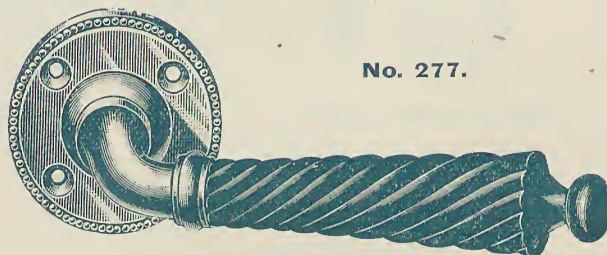
Ebony Grip ... **2/6** each.

**No. 275.**

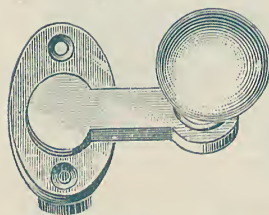
Polished Brass.  
**4/-** each.

**No. 276.****Lever Lock Furniture.**

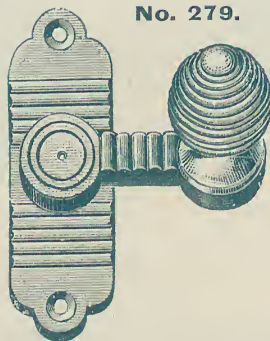
Brass ... **7/-** per set.  
 Gun Metal ... **9/-** ..

**No. 277.****Polished Brass Lever Lock Furniture.**

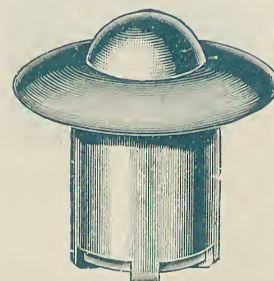
With Ebony Grip ... **4/3** each.

**No. 278.****Brass Crank Arm.**

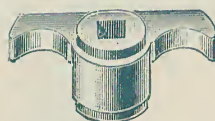
	Brass.	China.
$1\frac{3}{4}$ in. ...	<b>1/4</b>	<b>1/3</b> each.
$1\frac{7}{8}$ " ...	<b>1/8</b>	<b>1/4</b> "
2 " ...	<b>1/10</b>	<b>1/9</b> "

**No. 279.**

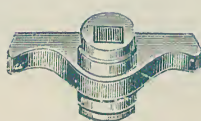
Polished ... **2/6** each.

**No. 280.****Brass Floor Door Stop.**

With Glass Ball ... **2/9** each.

**No. 281.****Rim Lock Followers.**

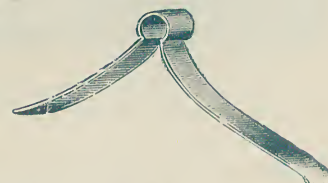
Sizes  $\frac{21}{32}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.  
 Price **4/-** **4/6** **5/-** **6/-** doz.

**No. 282.****Mortise Lock Followers.**

Sizes  $\frac{21}{32}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.  
 Price **4/-** **4/6** **5/-** **6/-** doz.

**No. 283.****Best Steel Lock Springs.**

Assorted, **7/6** per gross; **-/10** per dozen.

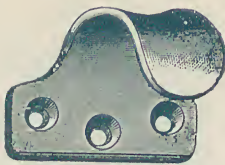
**No. 284.**

**Awards for Excellence of Machines and Tools :**



## BRASS SASH LIFTS.

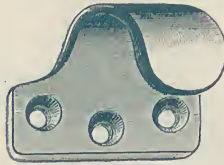
No. 286.



Machine Made.  
Polished.

Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2 in.  
Price **1/6 1/10 2/3** doz.

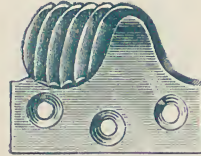
No. 287.



Machine Made.  
Very Strong Polished.

Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2 in.  
Price **1/9 2/3 2/9** doz.

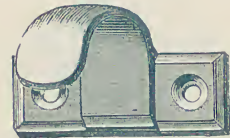
No. 289.



Machine Made.  
Polished.

Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2  $2\frac{1}{2}$  in.  
Price **2/6 2/9 3/- 4/-** doz.

No. 290.

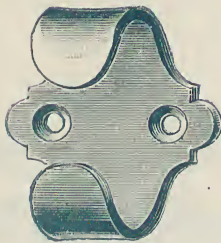


Cast Brass.

Sizes  $1\frac{3}{4}$  2  $2\frac{1}{2}$  in.  
Price **3/9 4/9 6/3** doz.

No. 291.

Half Size.

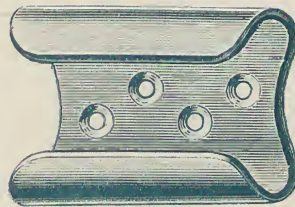


Machine Made.  
Polished.

Per **6/-** doz.

No. 292.

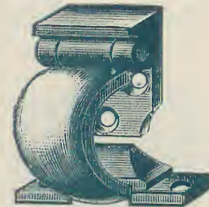
Half Size.



Machine Made.  
Polished.

Per **7/-** doz.

No. 293.



Cast Brass with Catch.

**No. 293.—12/6** per doz.

**No. 294.—**Without Catch, **7/6**  
per doz.

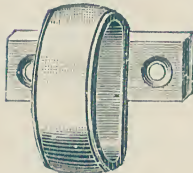
No. 295.



Cast, polished.

Per **11/-** doz.

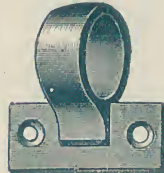
No. 296.



Burnished.

Price **6/6** per doz.

No. 297.



Burnished.

Price **5 6** per doz.

No. 298.



Polished.

Per **4/6** doz.

No. 299.



Polished, **4/-** per doz.

## BRASS FLUSH SASH LIFTS.

No. 300.



Polished Brass.

Sizes  $2\frac{1}{2}$  3  $3\frac{1}{2}$  4 in.  
Price **6/3 7/9 8/9 11/6** per doz.

No. 301.



$4\frac{1}{2}$  in. polished, **16/6** per doz.

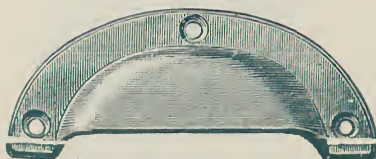
No. 302.



$3\frac{1}{2}$  in., **12/-** per doz.

## BRASS DRAWER PULLS.

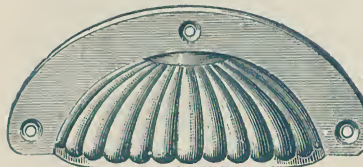
No. 303.



Polished.

Sizes  $2\frac{1}{2}$  3  $3\frac{1}{2}$  4 in.  
Price **2/3 2/9 3/3 4/-** doz.

No. 304.



Polished.

Sizes  $2\frac{1}{2}$  3  $3\frac{1}{2}$  4 in.  
Price **2/6 2/9 4/- 5/3** doz.

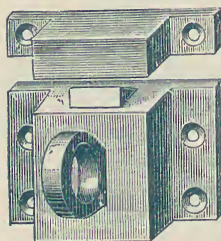
No. 305.



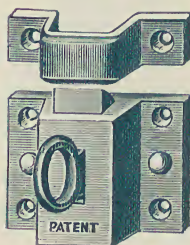
Cast Brass.

Sizes 3 4 5 in.  
Price **7/- 9/6 15 6** doz.

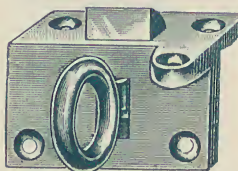


**BRASS FANLIGHT CATCHES, SHADBOLT STAYS, Etc.****No. 307.**

Sizes  $1\frac{1}{8} \times \frac{1}{8}$   $2\frac{1}{8} \times 1\frac{3}{8}$  in.  
 Price **15/-** **19/6** per doz.  
 Reverse Bolts same price.

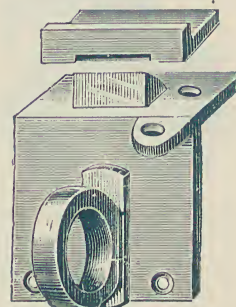
**No. 308.**

Machine made.  
 $2\frac{1}{8}$  in., **11/-** per doz.  
 Reverse Bolts same price.

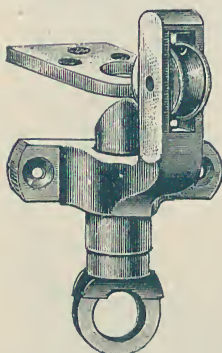
**No. 310.**

With Eye for Cord.

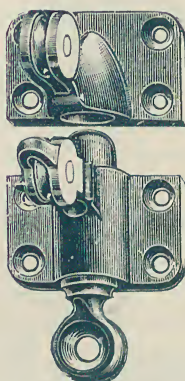
Sizes ... 2  $2\frac{1}{2}$  in.  
 Price ... **19/6** **23/-** per doz.

**No. 311.**

Price **22/-** per doz.

**No. 312.**

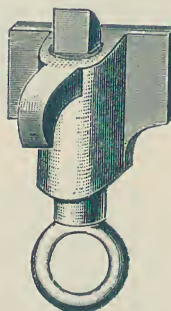
Polished Brass.  
 Price **25/-** per doz.

**No. 313.**

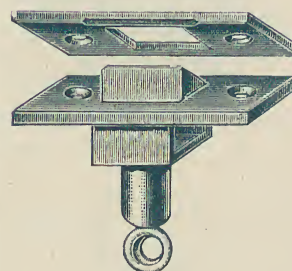
Polished Brass.  
 Price **30/-** per doz.

**No. 314.**

For Iron Fanlights.



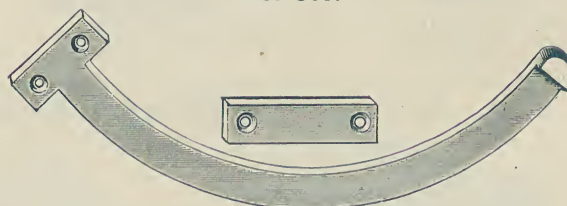
Sizes  $1\frac{1}{8} \times 1\frac{3}{8}$  in., **18/6** per doz  
 „  $1\frac{3}{8} \times 1\frac{1}{8}$  in., **16/6** „

**No. 315.**

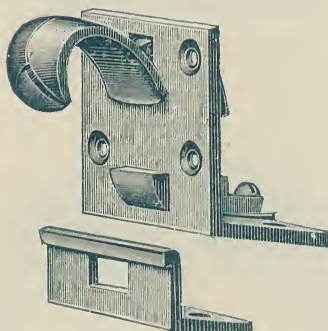
Sizes 2  $2\frac{1}{2}$  3 in.  
 Price **13/-** **17/6** **24/-** doz.

**No. 316.****Shadbolt Stay.**

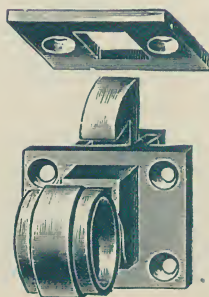
	Steel.	Copper.	Phosphor Bronze Blades.
10 in. ...	<b>11/6</b>	<b>15/6</b>	<b>18/6</b> per doz.
12 in. ...	<b>13/-</b>	<b>17/-</b>	<b>21/-</b> „

**No. 317.****Brass Quadrant.**

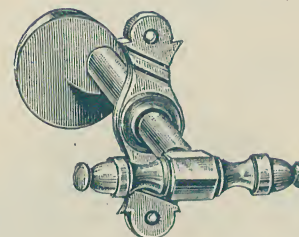
Sizes	6	7	8	9 in.
Price ...	<b>17/-</b>	<b>19/6</b>	<b>22/-</b>	<b>28/-</b> per doz.

**No. 318.****Bottom Sash Catch.**

Price **28/-** per doz.

**No. 319.****Top Sash Catch.**

Price **22/-** per doz.

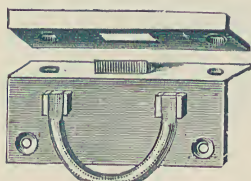
**No. 320.****Wall Case Catch.**

Nickel plated.  
 Per **25/-** doz.



# **SPRING CATCHES, FLUSH RINGS, TABLE CATCHES, Etc.**

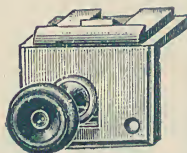
**No. 321.**



**Brass Show Case Catch.**

Size  $2\frac{1}{4}$  in., 13/- doz.

**No. 322.**



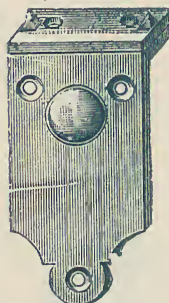
**Show Case Catch.**

Ebony Knob.

Size ...  $1\frac{1}{8}$  ...  $1\frac{3}{8}$  in.

Price ... 15/6 16/6 doz.

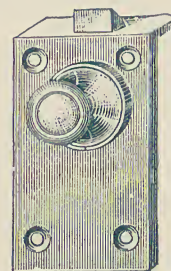
**No. 322a.**



**Cupboard Catch.**

per 7/- doz.

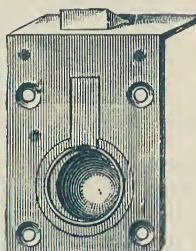
**No. 323.**



Size  $1\frac{1}{2} \times \frac{3}{4}$   $1\frac{3}{4} \times 1\frac{3}{8}$   $2 \times 1\frac{1}{2}$  in.

Price 9/- 9/6 11/- doz.

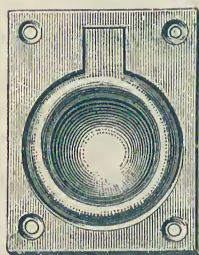
**No. 324.**



Size  $1\frac{3}{4}$  2  $2\frac{1}{4}$   $2\frac{1}{2}$  in.

Price 15/- 16/- 17/6 20/- doz.

**No. 325.**



Size ...  $1\frac{1}{4} \times 2\frac{1}{4}$   $1\frac{3}{8} \times 2$  in.

Price ... 7/- 8/- per doz.

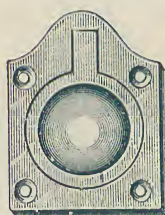
Size ...  $1\frac{3}{4} \times 1\frac{1}{2}$   $2 \times 2$  in.

Price ... 9/6 11/6 per doz.

Size ...  $2\frac{1}{2} \times 2$   $2\frac{3}{4} \times 2$  in.

Price ... 12/6 15/- per doz.

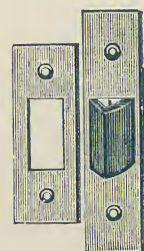
**No. 326.**



Size 1  $1\frac{1}{4}$   $1\frac{3}{8}$   $1\frac{1}{2}$  in.

Price 3/3 3/6 4/6 5/3 doz.

**No. 327.**



**French Catch.**

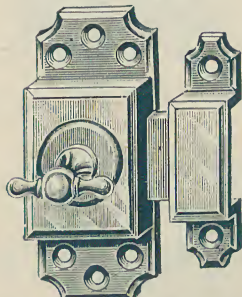
Size  $1\frac{1}{2} \times \frac{1}{2}$   $2\frac{1}{4} \times \frac{5}{8}$  in.

Price 6/6 9/- per doz.

Size  $\frac{1}{2} \times 3\frac{1}{2} \times \frac{3}{4}$   $4\frac{1}{2} \times 1$  in.

Price 11/6 15/6 per doz.

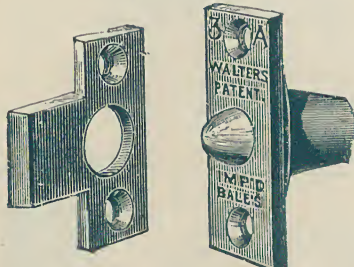
**No. 328.**



**Brass Cupboard Catch.**

Size  $3 \times 1\frac{1}{2}$  in., 13/6 per doz.

**No. 329.**

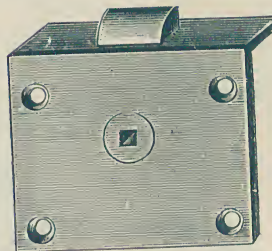


**Bale's Mortise Catch.**

No. 4 5 6 7 8 9

Price 6/6 8/6 10/6 11/6 15/6 24/- doz.

**No. 330.**

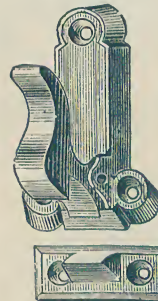


**Brass Shutter Latch.**

Size 2  $2\frac{1}{4}$   $2\frac{1}{2}$  in.

Price 14/6 16/6 18/- doz.

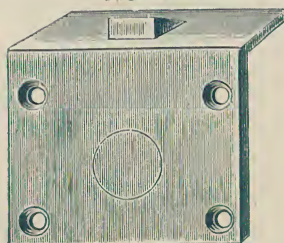
**No. 331.**



**Brass Cupboard Catch.**

Iron ... 4/- per doz.  
Brass ... 10/-

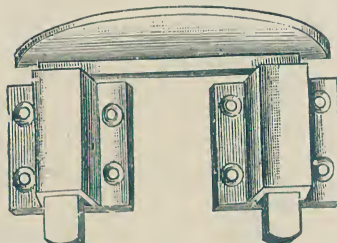
**No. 332.**



**Brass Secret Latch.**

Size,  $2\frac{1}{2}$  in., 21/- per doz.

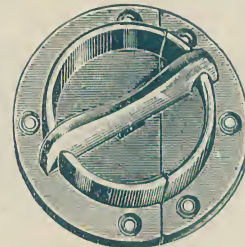
**No. 333.**



**Brass Table Catches.**

Per 20/- dozen pairs.

**No. 334.**



**Round Table Catch.**

Per 9/6 doz.



# SASH DROPS, SASH EYES, STUBBS AND PLATES, Etc.

No. 337.

**Brass Sash Drops.**

Per 3/6 doz. pairs.

No. 338.

**Flush Brass Sash Drops.**

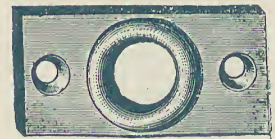
Per 1/- pair.

No. 339.

**Brass Sash Eye.**

Per 6/6 doz.

No. 340.

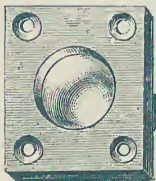
**Brass Sash Eye.**

Sanded.

Size 2 x 1 in., 3/9 doz.

" 2 1/2 x 1 1/2 in., 5/6 "

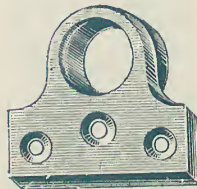
No. 341.

**Brass Sash Eye.**

Sizes, 1 3/4 x 1 1/2 in.

Per 5/- doz.

No. 342.

**Brass Sash Eye.**

Per 3/6 doz.

No. 343.

**Brass Cord Eye.**

1 3/4 in.,

Per 2/6 doz.

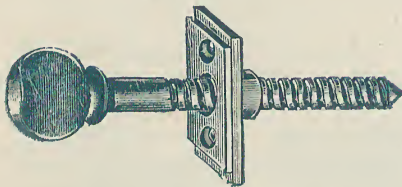
No. 344.

**Brass Stubbs and Plates.**

Small ... 5/6 per doz.

Large ... 8/6 "

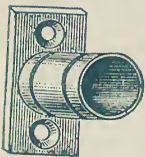
No. 348.

**Sash or Shutter Screws.**

Sizes	1 1/2	2	2 1/2	3	3 1/2	4	in.
1/4 in.	2/9	3/-	3/3	4/-	5/-	6/6	per doz.
5/16 in.	3/-	3/3	4/-	6/-	6/6	8/-	"
3/8 in.	—	6/6	7/6	8/-	9/-	10/-	"

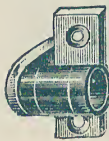
**Muslin Rod Brackets.**

No. 349.



Cast.

No. 350.

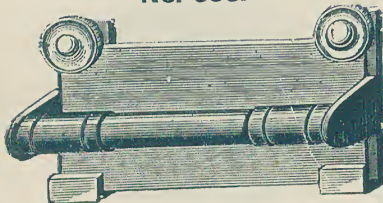


Sizes 5/16 3/8 1/2 5/8 in.

No. 349. 7/- 7/6 8/6 11/6 doz. pairs.

No. 350. 7/6 8/6 10/6 12/- "

No. 353.



No. 353. 3/8 in. cast ... 11/6 doz. prs.

No. 354. Machine made ... 8/6 "

No. 355. Polished Flat Band  
1 1/2 in. x 15 W.G. - 11 foot.

No. 351.

Patent.



For Rod only.

Sizes 3/8 1/2 5/8 in.

Price 5/- 7/6 13/-  
Per doz. pairs.

No. 352.

Patent



For Rod and Band.

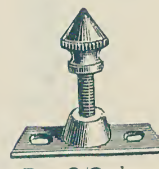
Size 3/8 in., 11/- per doz. prs.

No. 356.



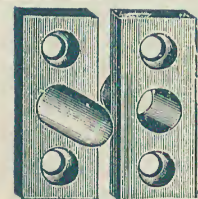
Per 5/- doz.

No. 357.



Per 3/9 doz.

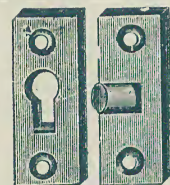
No. 346.

**Brass Sash Pivots.**

1 1/2 x 3/8 2 x 5/8 2 1/2 x 7/8 in.

2/9 4/9 6/9 single doz.

No. 347.

**Brass Stubb and Plate.**

Sizes 1 x 5/8 2 x 3/4 in.

Price 6/- 8/- per doz. sets.

Four pieces to a set.

Awards for Excellence of Machines and Tools:



# BRASS SASH HANDLES, CABIN HOOKS, SCREW CUPS, Etc.

No. 360.



Machine made.  
Price 5/6 per doz.

No. 361.



Cast Brass.  
Sizes ... 2½ 3 3¼ 3½ inside Bow.  
Price ... 4/6 5/6 6/6 8/6 per doz.

No. 362.



Cast Brass.  
Sizes 5 5½ 6 7 in. over all.  
Price 5/6 7/- 10/- 13/6 per doz.

No. 363.



Cast Brass.  
Sizes ... 4¾ 5 5½ 6 in.  
Price ... 4/6 5/- 5/6 6/6 per doz.

No. 364.



Strong, Polished.  
6½ in., Polished, 21/- per doz.

No. 365.



No. 366.



Brass Cabin Hooks.

No. 366. Polished—

Sizes 1½ 2 2½ 3 3½ 4 5 6 8 in.  
4/3 5/- 5/9 6/9 8/- 9/6 11/- 16/- 24/- doz.

No. 367. Extra strong and square plates—

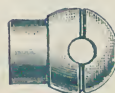
Sizes 1½ 2 2½ 3 3½ 4 5 6 8 in.  
6/9 7/9 8/6 9/6 11/6 15/- 19/- 30/- 42/- doz.

No. 368.



Brass Shutter Ring.

Sizes ... 2½ 2¾ 3 in.  
Price ... 4/- 5/- 6/- per doz.



No. 369.

Muslin Rod End.

Sizes ¼ ½ ¾ 1 in.  
Price 1/3 1/6 1/9 2/6 per doz.

Brass Swan Necks.

Sizes 2 2½ 3 3½ in.  
Price 2/9 3/3 3/9 4/9 doz.

Sizes 4 5 6 in.  
Price 5/6 9/- 12/- doz.

No. 370.



Muslin Rod Bracket.

Size ½ ¾ 1 in.  
Price 10/6 11/- 12/- 20/- doz.

No. 371.



Sash Hook.  
Price 1/- each.

No. 372.



Sash Hook.  
Price 1/- each.

No. 373.



Sash Hook.  
Price -/11 each.

No. 374.



Sash Hook  
Price 1/6 each.

No. 375.



Machine made. Hollow.

Machine Made Screw Cups.

Nos.	4	5	6	7	8	9	10	11	12	14
No. 375.	2/3	2/6	2/9	3/-	3/6	3/9	4/6	4/9	5/-	7/- per gross.
„ 376.	1/6	1/9	2/-	2/3	2/6	2/9	3/-	3/3	3/6	4/- „

If less than a gross -/9 per gross extra.

No. 376.



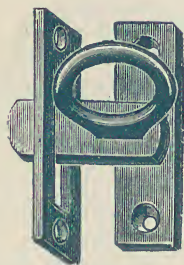
Machine made. Solid.

Bronze Medal, 1884.—Gold Medal, 1890.



## BRASS CASEMENT FASTENERS.

No. 380.

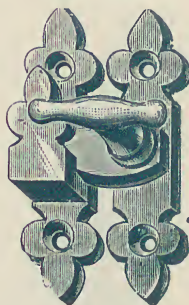


Burnished Brass.

No. 380. As drawn, 7/6 doz.

" 381. Cranked, 8/- "

No. 382.

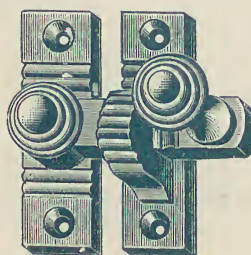


Polished Brass.

No. 382. 2 3/4 in., 8/6 per doz.

" 383. 3 " 14/- "

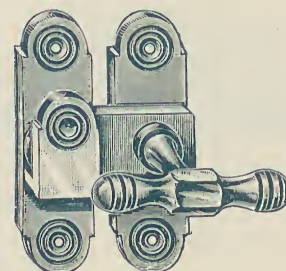
No. 384.



Polished.

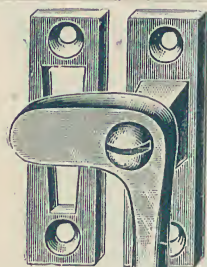
Per 19/- doz.

No. 385.

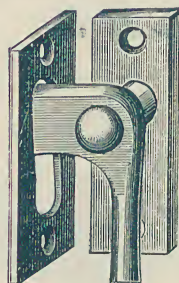


Polished.

Per 14/- doz.



No. 386.

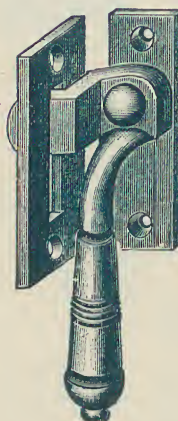
Reversible.  
Polished.No. 386. With Mortise Plates,  
14/- per doz.No. 387. With Hook Plates,  
16/- per doz.

No. 389.

Polished.

No. 388. With Mortise Plates,  
24/- per doz.No. 389. With Hook Plates,  
27/- per doz.

No. 390.

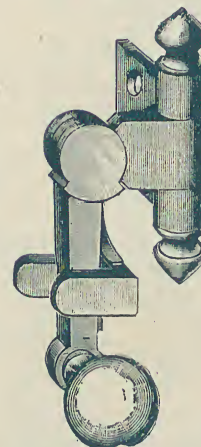


Polished.

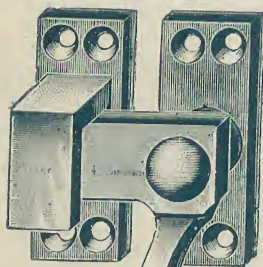
Cranked, 20/- per doz.

Shown as right hand.

No. 391.

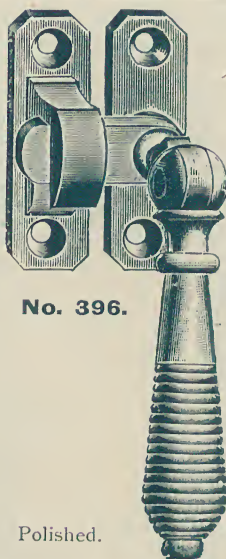
**Espagnolette Fastener.**Suitable for Casements.  
Either hand.

Price 2/9 each.



No. 393.

Polished.

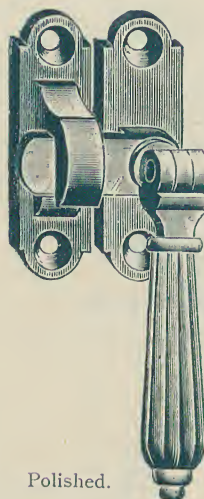
No. 393. With Hook Plate  
as drawn, 24/- per doz.No. 394. With Mortise Plate,  
22/- per doz.

No. 396.

Polished.

No. 396. With Hook Plate  
as drawn, 23/- per doz.No. 397. With Mortise Plate,  
20/- per doz.

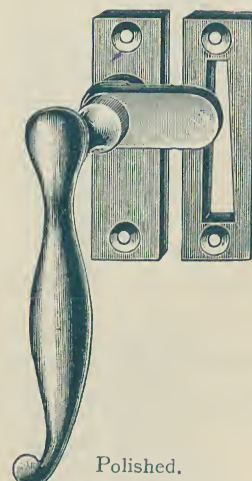
No. 398.



Polished.

No. 398. With Hook Plate,  
18/6 per doz.No. 399. With Mortise Plate,  
16/- per doz.

No. 401.



Polished.

No. 400. With Mortise Plate,  
18/- per doz.No. 401. With Hook Plate,  
19/- per doz.

Awards for Excellence of Machines and Tools :



## IRON AND BRASS CASEMENT STAYS.

No. 406.



**Wrought Iron Casement Stay.**

Sizes ... 8 10 12 14 16 in.  
Berlin Black ... 3/6 3/9 4/3 4/6 6/- per doz.

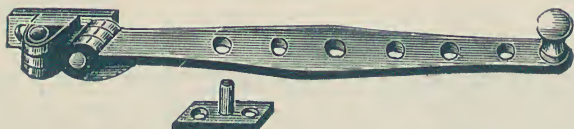
No. 407.



**Patent Stamped Steel Casement Stay.**

Japanned or Bronzed.  
Sizes ... 8 9 10 12 15 18 in.  
Price ... 4/- 4/3 4/6 4/9 5/6 7/6 per doz.

No. 412.



Sizes 8 9 10 12 15 16 18 in.

~~No. 412.—Japanned Iron 4/- 4/6 5/6 6/- 7/6 8/6 9/-~~  
" 413.—Malleable " 6/- 6/9 8/- 9/- 10/6 11/6 "  
" 414.—Polished Brass 16/- 17/- 19/- 22/- — — — "

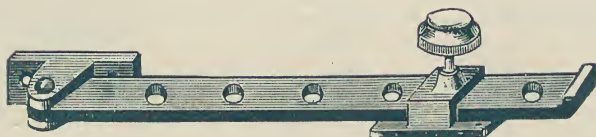
No. 415.



Sizes 8 9 10 12 14 16 in.

No. 415.—Malleable Iron 14/6 15/6 17/- 19/- — 23/- doz.  
" 416.—Polished Brass — — 25/- 27/- 37/- — "

No. 417.



Sizes 10 12 14 in.

No. 417.—Bronzed Iron Brass Mounts 12/6 13/6 14/6 doz.  
" 418.—Brass, Dead Dipped ... 24/- 28/- 32/- "

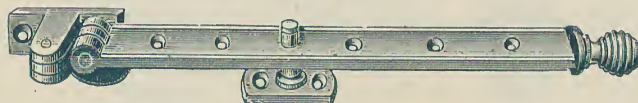
No. 419.



Sizes 10 12 14 in.

No. 419.—Wrought Iron, Brass Mounts 13/- 14/- 16/- doz.  
" 420.—All Brass ... 23/- 26/- 28/- "

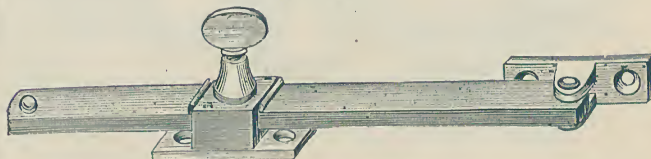
No. 421.



Sizes ... 8 9 10 12 in.

No. 421.—Brass Burnished ... 27/- 30/- 33/- 38/- doz.  
" 422.—Polished, Stronger ... — — — 60 - "

No. 423.



Sizes 9 10 12 in.

No. 423.—Iron Bar, Brass Cased ... 19/- 20/- 21/6 doz.  
" 424.—Solid Brass Bar ... — — 23/- 25/- "

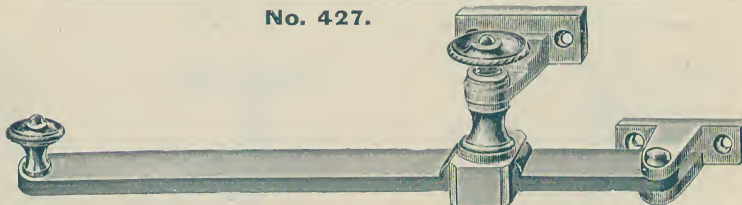
No. 425.



Sizes 10 12 14 in.

No. 425.—Polished Brass 32/- 40/- 56/- doz.  
" 426.—Gun Metal ... 42/- 50/- 64/- "

No. 427.



For Windows Opening Inwards.

Sizes 10 12 15 in.

No. 427.—Iron, Brass Cased 39/6 43/6 46/6 doz.  
" 428.— Ditto Lighter 36/- 40/- — "



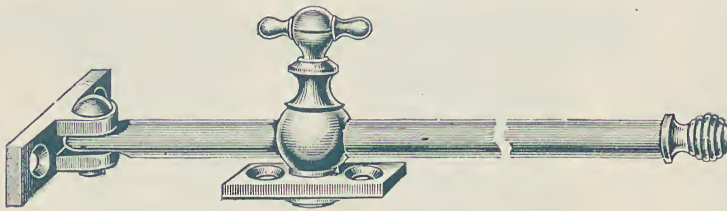
Cast Brass Polished.

No. 429.

Sizes ... 10 12 14 in.

Price ... 25/- 28/- 33/- doz.

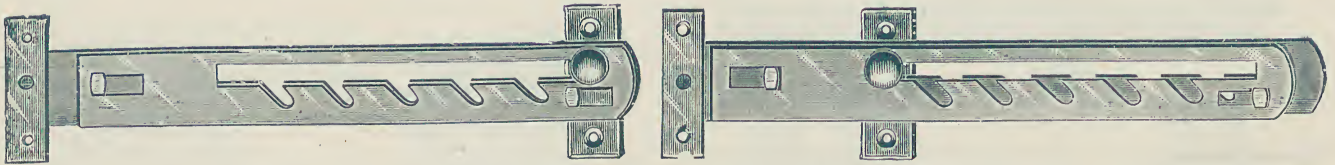
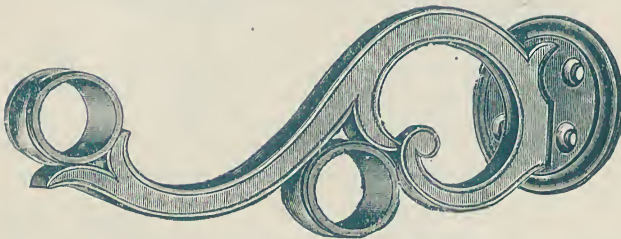


**BRASS CASEMENT STAYS, TOWEL AND HAT-RAIL BRACKETS.****No. 430.****Machine Made "Registered" Brass Casement Stay.**

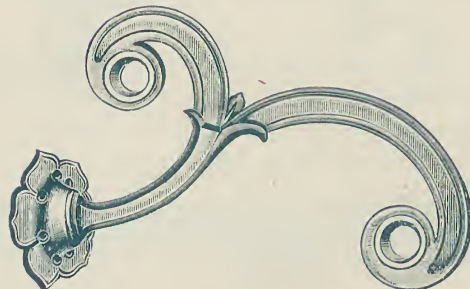
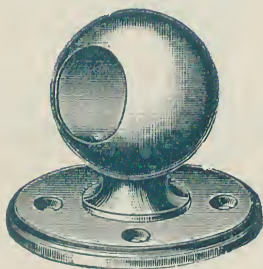
Size ... .. 10 . 12 in.

Price ... .. 19/6 21/- per doz.

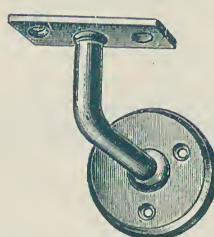
Made from Solid Drawn Round Brass.

**No. 436.****Osmaston's Patent Fanlight Stays.****No. 436.**—For Fanlights Hung at Bottom Opening Inwards,  
2/9 each.**No. 438.**—For Fanlights Hung at Bottom Opening Outwards,  
2/9 each.**No. 437.**—For Fanlights Hung at Top Opening Inwards,  
2/9 each.**No. 439.**—For Fanlights Hung at Top Opening Outwards,  
2/9 each.**No. 440.****Brass Towel Rail Bracket.**Size ..  $\frac{1}{2}$   $\frac{3}{4}$   $1$   $1\frac{1}{2}$  in.

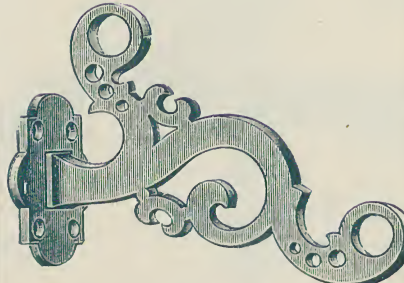
Price ... 1/10 2/- 2/6 2/9 each.

**No. 441.****Brass Hat-Rail Bracket.**For  $\frac{3}{4}$ -in. Rod, 5/3 each.**No. 442.****Brass Cord Bracket.**Size  $\frac{1}{2}$   $\frac{3}{4}$  1  $1\frac{1}{2}$   $1\frac{1}{2}$  in.

Price 1/3 1/6 1/9 2/9 3/9 each.

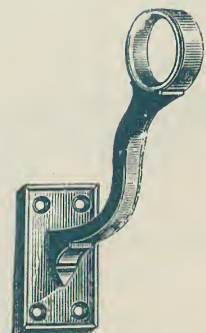
**No. 443.****Brass Hand-Rail Bracket.**Size  $2\frac{1}{2}$  3  $3\frac{1}{2}$  in.

Price 3/3 3/6 3/9 each

**No. 444.****Brass Hat-Rail Bracket.**

Polished.

5/6 each.

**No. 445.****Rail Bracket.**Size  $\frac{3}{4}$  1  $1\frac{1}{2}$   $1\frac{1}{2}$  in.

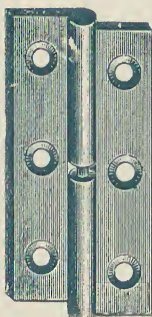
Price 3/3 3/6 3/9 4/- ea.

**Awards for Excellence of Machines and Tools :**



# BRASS LIFTING BUTTS, SCREEN HINGES, STOP BUTTS, ETC.

No. 450.



**Brass Lifting Hinges.**

Sizes.	Price.
1 in. ...	4 -
1 1/4 in. ...	4/6
1 1/2 in. ...	5/6
2 in. ...	8/6
2 1/2 in. ...	14/-
3 in. ...	19/-
per doz. pairs.	

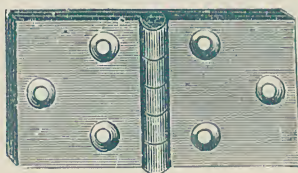
No. 454.



**Polished Brass Stop Butts.**

Sizes.	Price.
3/4 in. ...	2/6
1 in. ...	3/-
1 1/4 in. ...	4/-
1 1/2 in. ...	4/9
1 3/4 in. ...	5/6
2 in. ...	6/6
2 1/2 in. ...	11/-
3 in. ...	14/-
per doz. pairs.	

No. 458.



**Brass Back Flaps.**

Sizes	1	1 1/4	1 1/2	1 3/4	2 in.
Price	4/-	5/9	8/-	12/6	18/-
doz. pairs.					

No. 460.



**Brass Desk Hinges.**

Sizes	1 x 1 1/8	1 1/4 x 7/16	1 1/2 x 3/8	2 x 3/4
Prices	4/-	5/6	7/-	12/-
doz. pairs.				
Measured when closed.				

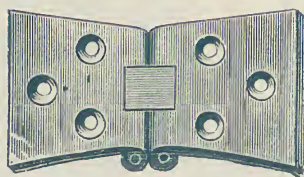
No. 461.



**Brass Centre Hinges.**

Sizes	1 1/2	2	2 1/2	3	3 1/2	4 in.
Price	4/6	5/6	7/6	10/-	16/-	30/-
doz. prs.						

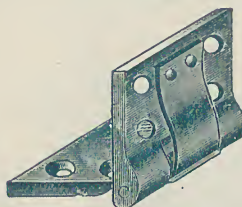
No. 451.



**Brass Counter Flap Hinges.**

Sizes	3	3 1/2	4	4 1/2	5 in.
Price	1 11	2 -	2/9	3/3	3 6
per pair.					

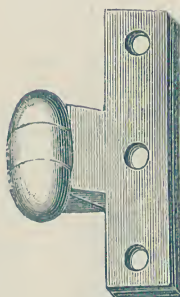
No. 455.



**Butler's Tray Hinges.**

Per 1/6 pair.

No. 457.

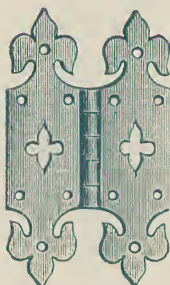


**Brass Pew Hinges.**

Sizes	2 1/2	2 3/4	3 1/8 in.
Price	2 6	2 9	3/3
per pair.			

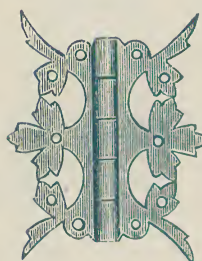
**Mediæval Brass Hinges and Plates.**

No. 463.



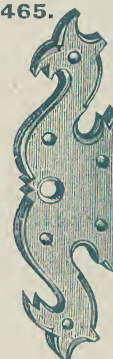
Sizes	2 1/2	3	3 1/2	4 in.
Price	2 6	2 9	3/3	4/-
pr.				

No. 464.



Sizes	2 1/2	3 in.
Price	3/3	4/-
pair.		

No. 465.



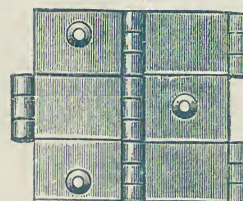
Sizes.	1 1/8	1 1/2	2 in.
Price	6 6	9 6	12 6
per doz.			

No. 466.



Sizes.	2	2 1/2	3 in.
Price	6 6	7 -	9 6
per doz.			

No. 452.



**Brass Screen Hinges.**

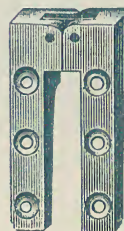
No. 452. Stamped, Machine Made.

Sizes	2 x 3/4	2 x 7/8	2 x 1	2 x 1 1/8 in.
Price	-10	1 -	1/2	1 3
each.				

No. 453. Cast Brass, Polished.

Sizes	2 x 3/4	2 x 7/8	2 x 1	2 1/8 x 1 1/8	2 1/4 x 1 1/4 in.
Prices	3/3	3 6	4/-	4/3	5/3
each.					

No. 456.



**Card Table Hinges.**

Sizes.	Price.
1 3/4 in. ...	-10
2 in. ...	-11
2 1/4 in. ...	1 -
2 1/2 in. ...	1/3
2 3/4 in. ...	1 5
3 in. ...	1 7
Per pair.	

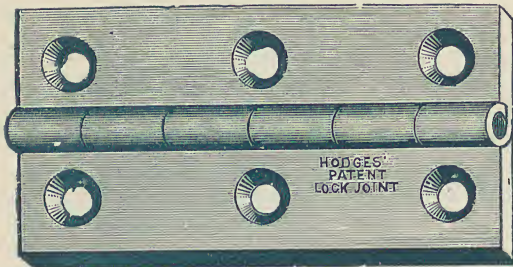
No. 459.



**Brass Desk Hinge.**

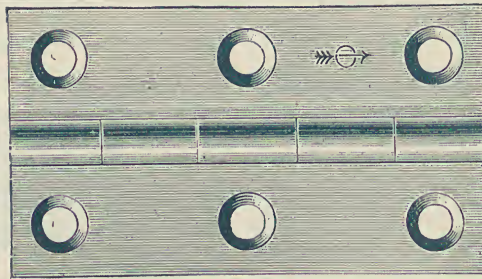
Sizes	3/4	7/8	1	1 1/4	1 1/2 in.
Price	6/-	7 -	8 -	12 -	18 -
per doz. pairs.					



**BRASS BUTT HINGES.****No. 470.** Machine Made.

**No. 470.** Light—  
 Sizes 1 1 $\frac{1}{4}$  1 $\frac{1}{2}$  1 $\frac{3}{4}$  2 2 $\frac{1}{4}$  2 $\frac{1}{2}$  3 in.  
 1/4 1/7 2/- 2/6 2/9 3/9 4/6 7/-  
 per doz. pairs.

**No. 471.** Medium—  
 Sizes 1 1 $\frac{1}{4}$  1 $\frac{1}{2}$  1 $\frac{3}{4}$  2 2 $\frac{1}{4}$  2 $\frac{1}{2}$  3 in.  
 2/- 2/6 3/- 3/9 4/6 5/6 6/- 9/-  
 per doz. pairs.

**No. 472.**

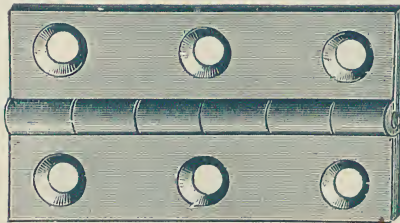
Machine Made.

**No. 472.**  
 Narrow Suite.  
 Sizes, Length 1 1 $\frac{1}{4}$  1 $\frac{1}{2}$  in.  
 x x x  
 Width Open  $\frac{5}{8}$  1 $\frac{1}{8}$   $\frac{3}{4}$  "  
 Smoothed Fronts 2/3 2/6 3/-  
 per doz. pairs.

**No. 473.**  
 Broad Suite.  
 Sizes, Length 1 $\frac{1}{2}$  1 $\frac{3}{4}$  2 2 $\frac{1}{4}$  2 $\frac{1}{2}$  3 in.  
 x x x x x x  
 Width Open  $\frac{7}{8}$  1 1 $\frac{1}{8}$  1 $\frac{1}{4}$  1 $\frac{3}{8}$  1 $\frac{5}{8}$  "  
 Smoothed Fronts 3/- 3/6 4/3 5/- 6/6 10/6  
 per doz. pairs.

**No. 474.**

Cast with Iron Pin



or Brass Pins.

**No. 474.** Narrow.

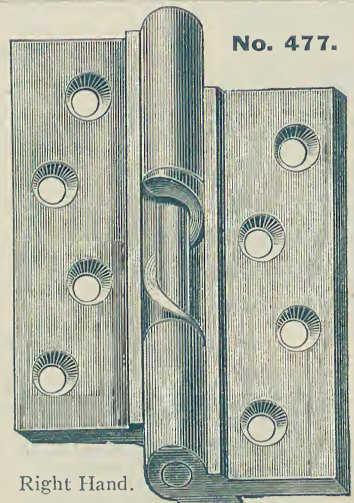
Sizes.	Iron Pin.	Brass Pin.	Doz. prs.
1 $\frac{1}{2}$ x 1 $\frac{3}{8}$ in.	3/6	4/-	"
1 $\frac{3}{4}$ x $\frac{7}{8}$ in.	4/6	5/-	"
2 x 1 in.	4/9	5/6	"
1 $\frac{1}{2}$ x 1 $\frac{1}{8}$ in.	6/6	7/6	"
3 x 1 $\frac{7}{16}$ in.	10/-	11/3	"
3 $\frac{1}{2}$ x 1 $\frac{3}{4}$ in.	15/6	17/-	"
4 x 2 in.	22/-	23/6	"

**No. 475.** Medium.

Sizes.	Iron Pin.	Brass Pin.	Doz. prs.
1 $\frac{1}{2}$ x 1 $\frac{1}{8}$ in.	4/6	5/-	"
1 $\frac{3}{4}$ x 1 $\frac{1}{8}$ in.	6/-	6/6	"
2 x 1 $\frac{1}{4}$ in.	7/-	8/-	"
2 $\frac{1}{2}$ x 1 $\frac{1}{2}$ in.	10/-	11/-	"
3 x 1 $\frac{3}{4}$ in.	15/-	16/6	"
3 $\frac{1}{2}$ x 2 in.	18/-	19/6	"
4 x 2 $\frac{1}{4}$ in.	23/-	24/6	"

**No. 476.** Strong.

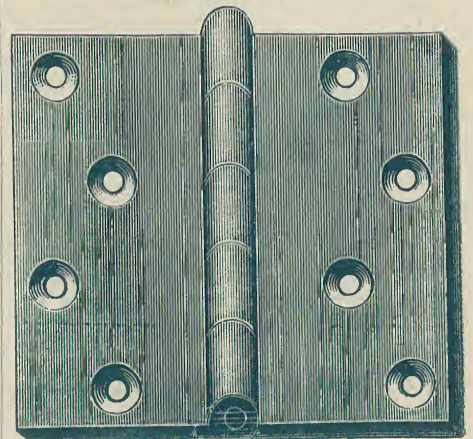
Sizes.	Iron Pin.	Brass Pin.	Doz. prs.
2 x 1 $\frac{3}{4}$ in.	11/-	11/6	"
2 $\frac{1}{2}$ x 2 in.	14/6	15/-	"
3 x 2 $\frac{3}{8}$ in.	21/-	22/-	"
3 $\frac{1}{2}$ x 2 $\frac{3}{4}$ in.	36/-	37/-	"
4 x 3 $\frac{1}{4}$ in.	50/-	51/6	"
4 $\frac{1}{2}$ x 3 $\frac{1}{2}$ in.	65/-	68/-	"
5 x 3 $\frac{3}{8}$ in.	81/-	85/-	"

**No. 477.**

Right Hand.

**Steel Bushed Brass Rising Butts.**

Sizes	3 x 2 $\frac{5}{8}$	3 $\frac{1}{2}$ x 2 $\frac{5}{8}$	4 x 2 $\frac{3}{4}$	4 $\frac{1}{2}$ x 3 $\frac{1}{8}$ in.
Price	10/-	11/6	14/-	16/-
	per pair.			

**No. 480.****Brass Projecting Hinges, Polished Fronts and Backs.**

Sizes	3 x 3	3 $\frac{1}{2}$ x 3 $\frac{1}{2}$	4 x 4	4 $\frac{1}{2}$ x 4 $\frac{1}{2}$	5 x 5 in.
Price	3/6	5/3	6/3	9/-	12/9
	per pair.				

**No. 478.****Patent Double Steel Washered Brass Butts.****No. 478.**

Ordinary Suite.

Size.	Price.
3 x 2 $\frac{1}{4}$ in.	3/-
3 $\frac{1}{2}$ x 2 $\frac{1}{2}$ in.	3/6
4 x 3 in.	4/6
4 $\frac{1}{2}$ x 3 $\frac{1}{4}$ in.	6/-
5 x 3 $\frac{1}{2}$ in.	8/6
5 $\frac{1}{2}$ x 3 $\frac{3}{4}$ in.	11/-
6 x 4 in.	14/-
	per pair.

**No. 479.**

Heavy Suite.

Size.	Price.
3 x 2 $\frac{5}{8}$ in.	4/6
3 $\frac{1}{2}$ x 2 $\frac{3}{4}$ in.	5/6
4 x 3 $\frac{1}{2}$ in.	6/6
4 $\frac{1}{2}$ x 3 $\frac{3}{4}$ in.	8/-
5 x 4 in.	11/-
6 x 4 $\frac{1}{8}$ in.	17/-
	per pair.



## BRASS WARDROBE HOOKS, HAT HOOKS, Etc.

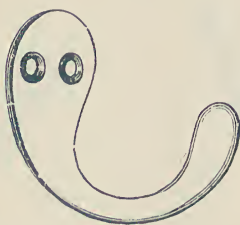
No. 490.



Machine Made.

Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2 in.  
Price  $1/6$   $1/9$   $2/-$  per doz.

No. 491.



Cast.

Sizes  $1\frac{1}{2}$  2  $2\frac{1}{2}$  in.  
Price  $2/3$   $3/6$   $5/3$  per doz.

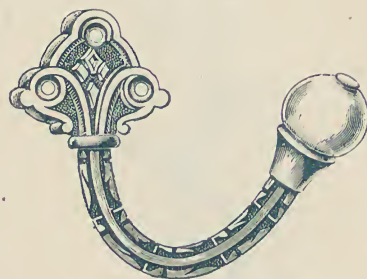
No. 492.



Patent Machine Made.  
Very strong.

No. 492. Small,  $3/6$  doz.  
" 493. Medium,  $5/-$  "  
" 494. Large,  $10/-$  "

No. 495.



Fancy.

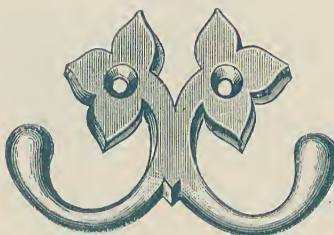
Price  $7/-$  per doz.

No. 496.



Sizes  $1\frac{1}{2}$  2  $2\frac{1}{2}$  3 in.  
Price  $5/6$   $6/6$   $7/6$   $9/6$  per doz.

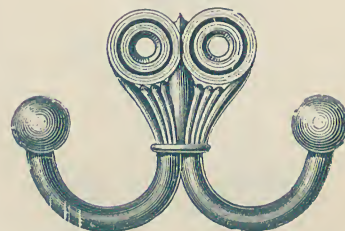
No. 497.



Polished.

$10/-$  per doz.

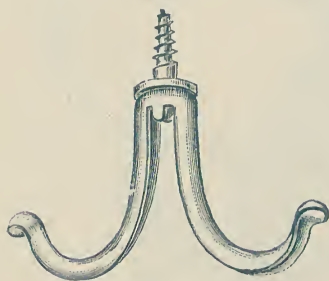
No. 498.



Machine Made.

No. 498. Small ...  $6/-$  per doz.  
" 499. Medium ...  $9/-$  "  
" 500. Large ...  $16/-$  "

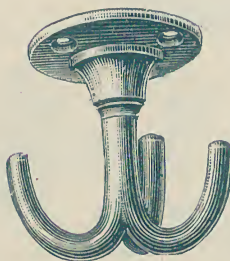
No. 501.



Machine Made.

No. 500. 2 Hooks ...  $2/9$  per doz.  
" 501. 4 Hooks ...  $4/-$  "

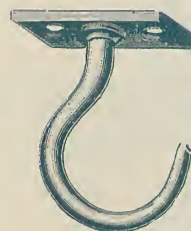
No. 503.



Revolving Wardrobe Hooks.

No. 502. 2 Hooks ...  $8/-$  per doz.  
" 503. 3 Hooks ...  $9/6$  "

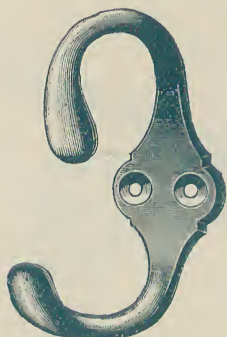
No. 504.



Size  $\frac{1}{2}$  2  $2\frac{1}{4}$  in.

Price  $3/3$   $5/6$   $6/6$  per doz.

No. 506.

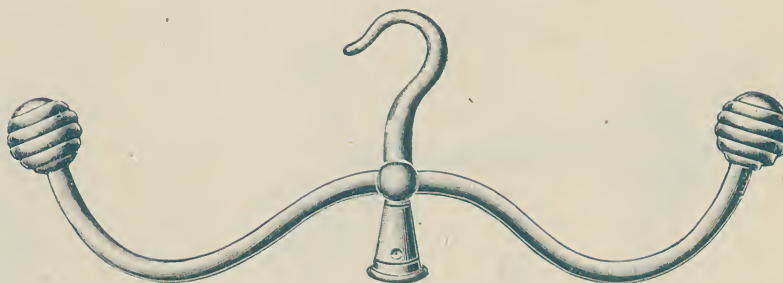


Burnished Safety Hat Hook.

Sizes 3  $3\frac{1}{2}$  in.

Price  $5/6$   $6/6$  per doz.

No. 507.



Brass Wardrobe Yokes.

No. 507.  $12 \times \frac{3}{8}$  in. ...  $3/-$  each.  
" 508.  $12 \times \frac{1}{6}$  in. ...  $3/3$  "  
Polished.



## POLISHED BRASS HAT AND COAT HOOKS.

No. 510.



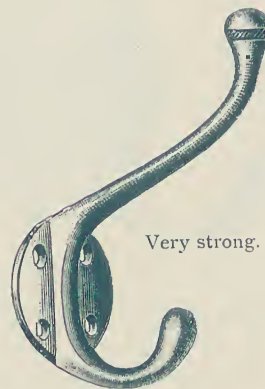
Size 4 5  $5\frac{1}{2}$  6 7 in.  
 Price 7/- 10/- 10/6 11/6 15/- per doz.

No. 511.



Size  $3\frac{1}{2}$   $4\frac{1}{2}$  5 6  $6\frac{1}{2}$  7 in.  
 Price 6/6 8/- 9/6 10/6 11/6 17/6 doz.

No. 512.



Size 5  $6\frac{1}{2}$  7 8 in.  
 Price 12/- 15/6 24/- 28/6 per doz.

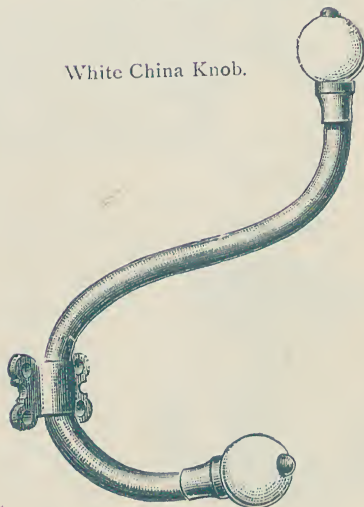
No. 513.



Registered Design.  
 Price 3/9 each.

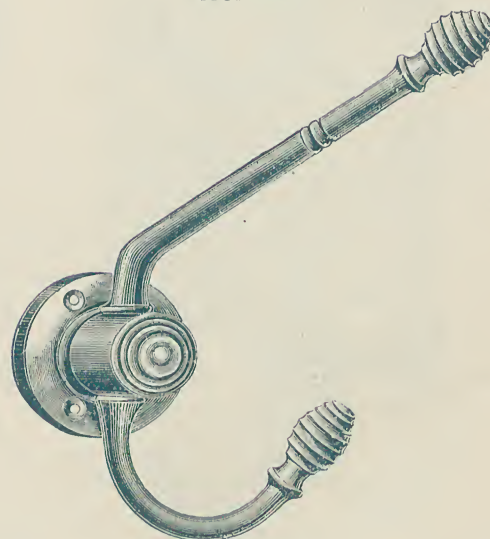
No. 514.

White China Knob.



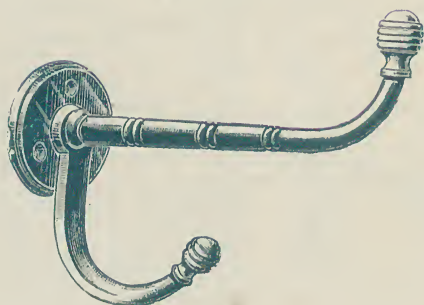
Size ...  $6\frac{1}{2}$  7 in.  
 Price ... 9/- 11/- per doz.

No. 515.



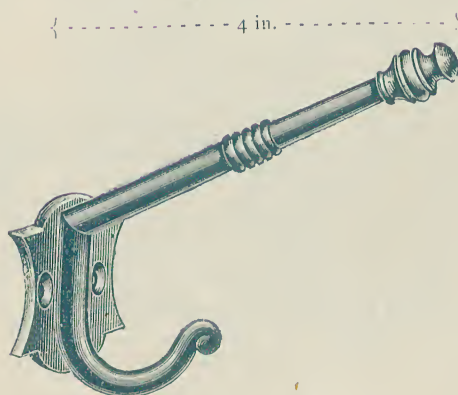
Burnished.  
 Price 2/3 each.

No. 516.



Size ... 3  $3\frac{1}{2}$   $4\frac{1}{2}$  in.  
 Price ... 10/- 11/9 14/- per doz.

No. 517.



Price 11/6 per doz.

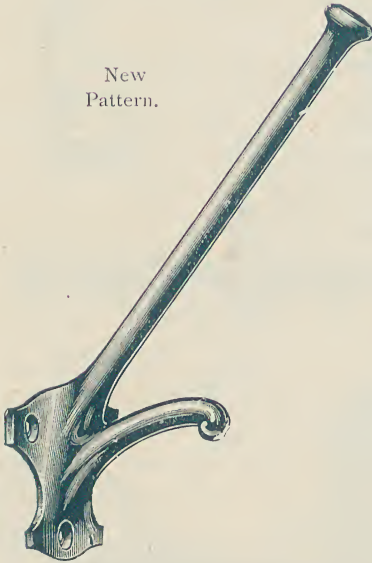
Awards for Excellence of Machines and Tools:



## POLISHED BRASS HAT AND COAT HOOKS.

**No. 520.**

New  
Pattern.



Price **1/10** each.

**No. 521.**

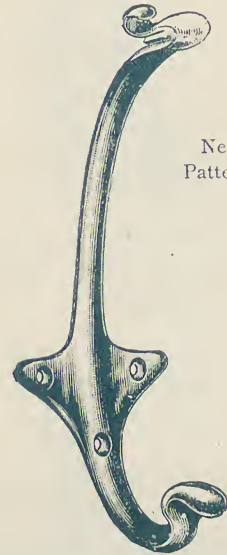
New  
Pattern.



Price **2/-** each.

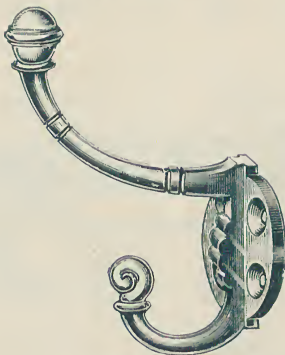
**No. 522.**

New  
Pattern.



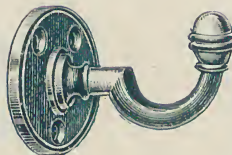
Price **2/9** each.

**No. 523.**



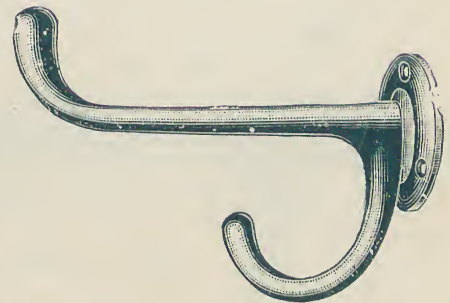
Price **14/-** per doz.

**No. 524.**



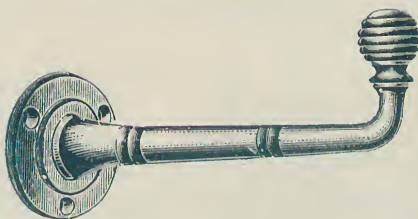
Price **8/-** doz.

**No. 525.**



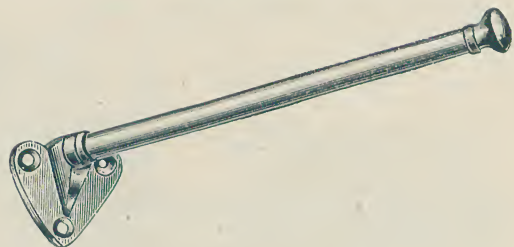
Price **9/6** doz.

**No. 526.**



Sizes ...	2	2½	3	3½	4 in.
Price ...	7/-	8/-	10/-	11/-	12/6 doz.

**No. 527.**

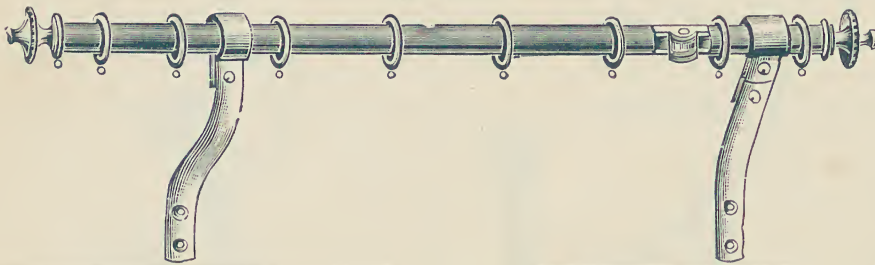


**Brass Surplice Pin.**

Sizes ...	3	3½	4	4½	5	6 in.
Price ...	4/3	5/-	5/6	6/-	7/-	8/6 doz.

Bronze Medal, 1884.—Gold Medal, 1890.



**BRASS PORTIERE RODS AND STAIR RODS.****No. 530.****No. 530.**

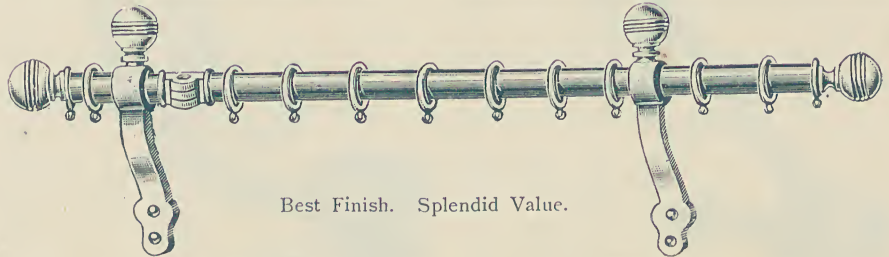
	4 ft.	4 ft. 6 in.
$\frac{5}{8}$ in. ...	<b>5/6</b>	<b>6/-</b> each.
$\frac{3}{4}$ " ...	<b>6/6</b>	<b>7/6</b> "

**No. 531.—Cheap Pivot Pattern—**

	3 ft. 6 in.	4 ft.
$\frac{5}{8}$ in. ...	<b>3/6</b>	<b>3/9</b> each.
$\frac{3}{4}$ " ...	<b>4/-</b>	<b>4/6</b> "

**No. 532.****Very Heavy Cast Brass Brackets.**

	4 ft.	4 ft. 6 in.
$\frac{3}{4}$ in. ...	<b>7/9</b>	<b>8/6</b> each.
$\frac{7}{8}$ " ...	<b>10/3</b>	<b>11/-</b> "
1 " ...	<b>12/-</b>	<b>13/-</b> "



Best Finish. Splendid Value.

**No. 536.****Brass Stair Rods. Solid Ends.**

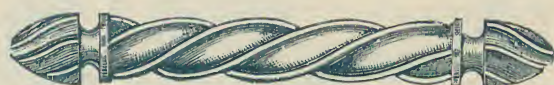
	Length ...	21	25	27	30	33	36 in.
No. 4-Wire Gauge ...	<b>2/6</b>	<b>3/-</b>	<b>3/6</b>	<b>3/9</b>	<b>4/-</b>	<b>4/9</b>	per doz.
" 3-(or $\frac{1}{4}$ -in.) do. ...	<b>3/-</b>	<b>3/6</b>	<b>3/9</b>	<b>4/-</b>	<b>4/9</b>	<b>5/-</b>	"
" 5-(or 1-Wire) do. ...	—	—	<b>4/6</b>	<b>5/3</b>	<b>5/9</b>	<b>6/-</b>	"

**No. 537.****Best Brass Cased Stair Rods. Acorn or Ball Ends.**

Sizes ...	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
Price ...	-/7	-/9	1/-	1/4	1/7	1/10 per foot.

**No. 538.****Reeded Brass Stairs Rods.**

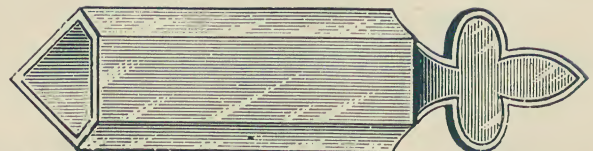
Sizes	...	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ in.
Price	...	<b>2/-</b>	<b>2/2</b>	<b>2/4</b> per foot.

**No. 539.****Hollow Twist Brass Stair Rods.**

Sizes ...	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ in.
Price ...	1/-	1/2	1/6	2/- per foot.

**No. 540.****Rope Twist Brass Stair Rods.**

Sizes ...	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
Price ...	1/-	1/2	1/6	2/-	2/6	3/3 per foot.

**No. 541.****Best Polished and Lacquered Brass Stair Rods.**

Sizes ...	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$ in.
Price ...	<b>1/4</b>	<b>1/6</b>	<b>1/9</b>	<b>1/11</b>	<b>23</b> per foot.

**No. 542.****Polished Brass Stair Rods.**

Sizes ...	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ in.
Price ...	<b>1/4</b>	<b>1/6</b>	<b>2/-</b>	<b>2/6</b> per foot.

**No. 543.****Polished Brass Stair Rods.**

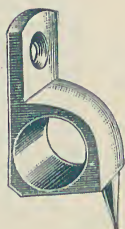
Sizes ...	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
Price ...	<b>1/2</b>	<b>1/4</b>	<b>1/8</b>	<b>2/-</b> per foot.

Awards for Excellence of Machines and Tools:



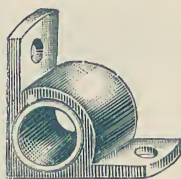
## STAIR ROD EYES.

No. 546.



Sizes  $\frac{1}{4}$   $\frac{5}{16}$   $\frac{3}{8}$   $\frac{1}{2}$  in.  
Price 6/- 7/- 8/6 14/- gross.

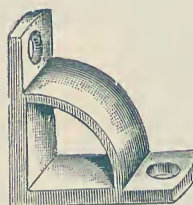
No. 547.



No. 547. Light—  
Sizes  $\frac{1}{4}$   $\frac{5}{16}$   $\frac{3}{8}$   $\frac{1}{2}$  in.  
Price 8/- 10/- 12/6 15/- 17/- gross.

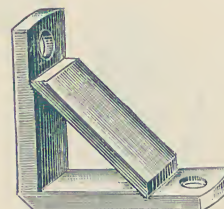
No. 548. Strong—  
Sizes  $\frac{5}{16}$   $\frac{3}{8}$   $\frac{7}{16}$   $\frac{1}{2}$  in.  
Price 15/- 16/6 19/- 21/- gross.

No. 549.



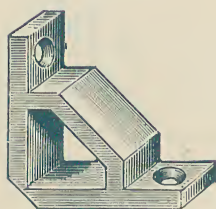
Sizes  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.  
Price 4/6 5/- 6/- 7/- doz.

No. 550.



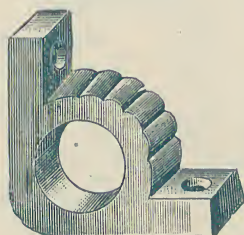
Sizes  $\frac{3}{4}$   $\frac{7}{8}$  1 in.  
Price 4/6 5/- 7/- doz.

No. 551.



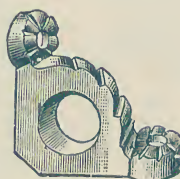
Sizes  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.  
Price 4/- 4/6 5/3 7/- doz.

No. 552.



Sizes  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.  
Price 6/6 7/- 7/6 doz.

No. 553.



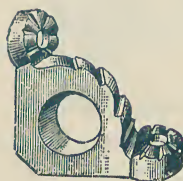
Sizes  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.  
Price 4/6 5/- 5/9 7/3 doz.

No. 554.



Sizes  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  in.  
Price 6/6 7/- 7/9 doz.

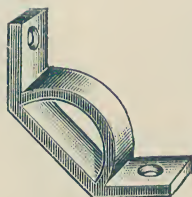
No. 555.



Rope Twist.

Sizes  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.  
Price 4/6 5/- 5/6 7/- doz.

No. 556.



Sizes  $\frac{3}{4}$   $\frac{7}{8}$  in.  
Price 4/6 5/- doz.

No. 557.



For Stone.

Sizes  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.  
Price 1/4 2/3 3/- 4/6 doz.

CURTAIN BAND.

No. 558.



Per 1/9 pair.

## BRASS CORNICE METAL.



No. 559.

Per 2/6 foot.



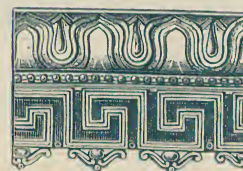
No. 560.

One-third full size.  
Per 2/- foot.



No. 561.

Per 2/6 foot.



No. 562.

One-sixth full size.  
5 in., 1/4; 7 1/4 in., 2/3 per foot.



**BRASS TASSEL HOOKS.****No. 567.**

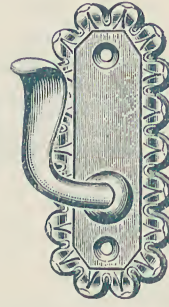
Sizes 2 2½ in.  
Price 3/6 4/- doz.

**No. 568.**

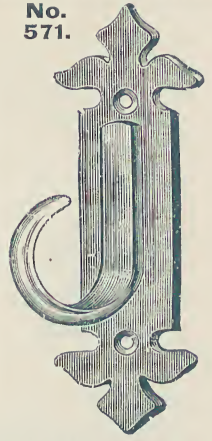
Sizes 3 3½ in.  
Price 6/- 7/- doz.

**No. 569.**

Per 4/6 doz.

**No. 570.**

Sizes 2½ 3 3½ in.  
Price 4/6 5/6 6/9 doz.

**No. 571.**

Sizes 2½ 3 4½ in.  
Price 3/3 4/- 7/6 doz.

**BRASS CURTAIN CHAINS.****No. 573.**

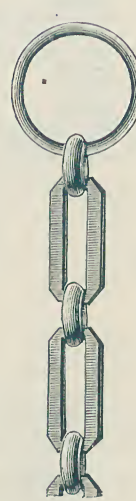
Price 2/6 per pair.

**No. 574.**

Price 6/6 per pair.

**No. 575.**

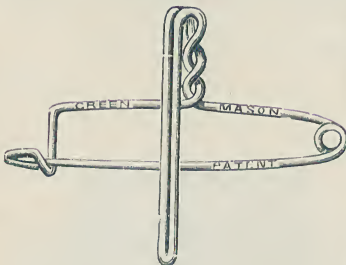
Price 5/6 per pair.

**No. 576.**

Price 4/3 per pair.

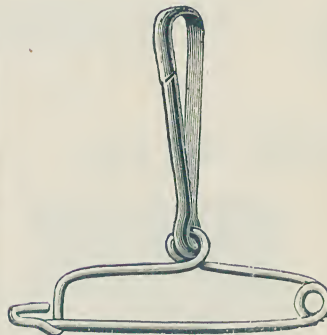
**No. 577.**

Price 5/6 per pair.

**BRASS CURTAIN HOOKS.****No. 579.**

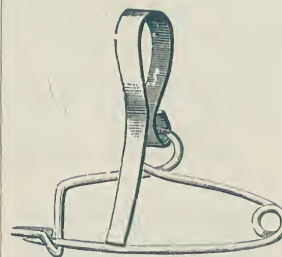
No. 1 Size.

Nos. 1 2 3 4  
Price 3/9 4/- 4/6 5/- per gross.  
" -/6 -/6 -/7 -/8 per doz.

**No. 580.**

No. 1 Size.

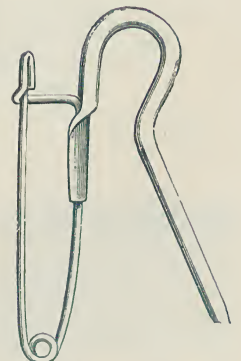
Nos. 1 2  
Price 4/- 5/6 per gross.  
" -/6 -/8 per doz.

**No. 581.**

No. 6 Size.

Nos. 1 2 3 4 5 6  
1/10 2/- 2/3 2/6 3/- 3/6  
per gross.

Nos. 1 2 3 4 5 6  
-/3 -/3 -/4 -/4 -/5 -/6  
per doz.

**No. 582.**

No. 4 Size.

Nos. 1 2 3 4  
3/- 3/6 4/- 4/6 per gross.  
-/5 -/6 -/6 -/7 per doz.

Awards for Excellence of Machines and Tools:



## BRASS CORNICE POLES, BRACKETS, ENDS, Etc.

No. 586.



No. 585.

### Straight Polished Cornice Poles.

Sizes	1	1 1/4	1 1/2	2	2 1/4	2 1/2 in.
No. 585.—Price	1/-	1/2	1/3	1/9	2/3	3/6 per foot.
No. 586.—Strong	1/2	1/4	1/6	2/-	2/6	3/9 "

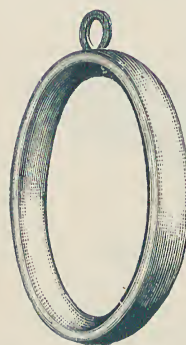
No. 587.

### Brass Bay Window Poles.

Sizes	1	1 1/4	1 1/2	2	2 1/4	2 1/2 in.
2 Bends ...	2/-	2/2	2/7	3/5	4/3	4/6 per foot.
4 " ...	2/2	2/9	2/11	3/8	4/9	5/3 "
6 " ...	2/7	2/11	3/3	4/-	5/3	5/9 "

No. 588.

### Polished Brass Cornice Pole Rings.

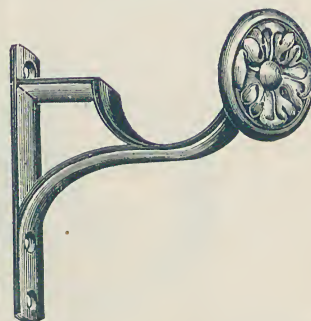


Sizes.	No. 588a.	No. 588b.	No. 588c.
	Light.	Medium.	Strong.
3/4 in.	-/8	-/9	—
1 "	-/9	-/11	1/8
1 1/4 "	-/10	1/-	1/10
1 1/2 "	-/11	1/2	2/-
2 "	1/3	1/6	2/6
2 1/4 "	1/6	1/8	3/9
2 1/2 "	1/8	1/10	—
3 "	2/2	2/6	4/9

Per doz.

No. 589.

### Cast Brass Burnished Cornice Pole Brackets.



Sizes.	No. 589.	No. 590.	No. 591.
	Light.	Medium.	Strong.
3/4 in.	-/9	1/2	1/4
1 "	-/10	1/3	1/5
1 1/4 "	-/11	1/5	1/6
1 1/2 "	1/-	1/6	1/8
1 3/4 "	—	1/8	2/1
2 "	1/2	1/10	2/4
2 1/4 "	1/3	2/1	2/10
2 1/2 "	1/6	2/9	3/6
3 "	2/-	3/10	5/6

Per pair.

No. 592.



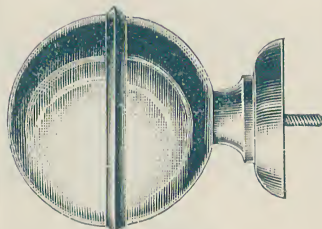
### Brass Centre Pole Bracket.

With Swivel Plate.

Sizes	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2 in.
Price	-/8	-/10	-/10	1/-	1/4	1/5	1/7	1/9	2/2 each.

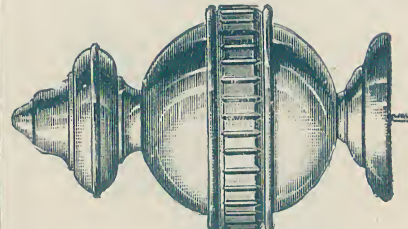
### BRASS CORNICE POLE ENDS.

No. 593.



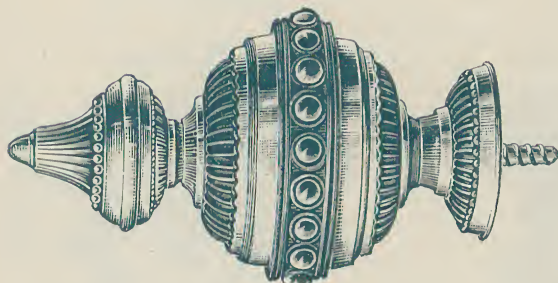
Sizes	1 1/2	2	2 1/4	2 1/2 in.
Price	1/6	2/6	3/3	4/- per pair.

No. 594.



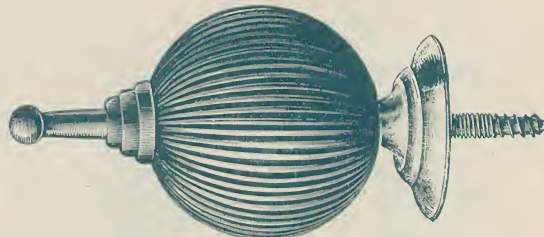
Sizes	1 1/2	2	2 1/4	2 1/2 in.
Price	3/3	4/6	5/-	7/- per pair.

No. 595.



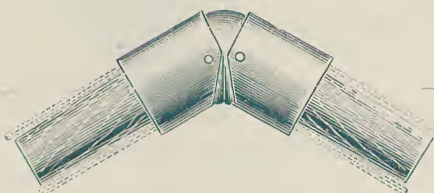
Sizes	...	2	2 1/2	3 in.
Price	...	4/-	6/6	9/- per pair.

No. 596.



Sizes	1	1 1/4	1 1/2	2	2 1/4	2 1/2 in.
Price	1/6	1/9	2/-	2/9	4/-	5/- per pair.

No. 597.



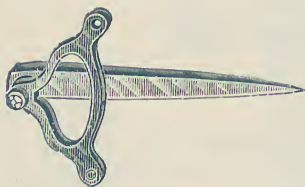
### Patent Cornice Pole Joint.

Polished Brass, with Wood Joint Plugs.

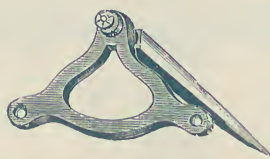
Sizes	3/4	7/8	1	1 1/4	1 1/2 in.
Price	1/6	1/8	1/10	2/3	3/9 each.

Bronze Medal, 1884.—Gold Medal, 1890.

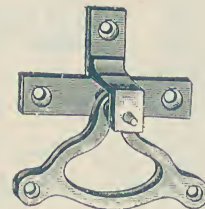


**BELL FITTINGS.****No. 599.****Side Driving Crank.**

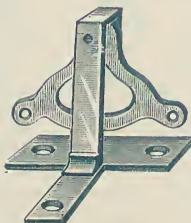
	1	2	3 fly.
No. 599.—Light ...	2/6	5/-	6/6 doz.
" 600.—Medium	3/6	6/6	9/6 "
" 601.—Strong	5/-	10/-	15/- "

**No. 602.****End Driving Crank.**

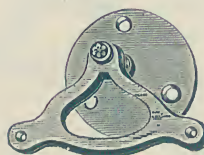
	1	2	3 fly.
No. 602.—Light ...	2/6	5/-	6/6 doz.
" 603.—Medium	3/6	6/6	9/6 "
" 604.—Strong	5/-	10/-	15/- "

**No. 605.****Leader Crank.**

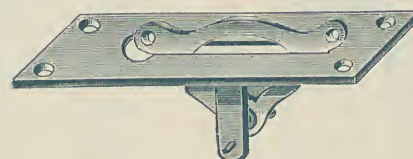
	1	2	3	4 fly.
No. 605.—Light ...	6/-	8/-	11/-	13/- doz.
" 606.—Medium	7/-	10/9	15/-	18/- "
" 607.—Strong	10/-	13/6	18/-	22/- "

**No. 608.****Pillar Crank.**

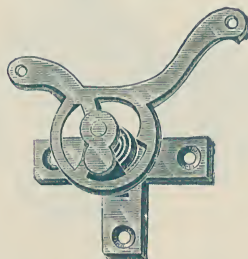
	1	2	3	4 fly.
No. 608.—Light ...	8/-	11/-	14/-	17/- doz.
" 609.—Medium	10/6	14/6	17/6	21/- "
" 610.—Strong	13/6	16/6	20/-	23/- "

**No. 611.****Iron Plate Leader Crank.**

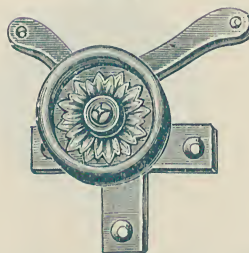
One fly ...	4/-	per doz.
Two fly ...	7/-	"

**No. 612.****Flat Mortise Cranks.**

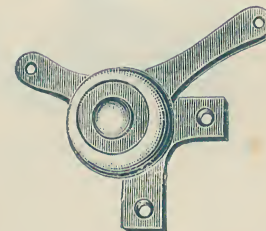
	1	2	3 fly.
No. 612.—Light ...	8/6	11/3	14/6 doz.
" 613.—Medium	11/3	14/6	18/- "
" 614.—Strong	13/6	16/6	20/- "

**No. 615.****Spring Purchase Crank.**

Price 10/- per doz.

**No. 617.****Rose Purchase Crank.**

No. 617.—Medium	10/-	per doz.
" 618.—Strong	11/6	"

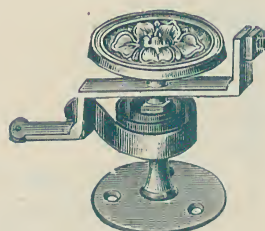
**No. 619.****Rose Purchase Crank.**

Iron Plate.

Price 9/- per doz.

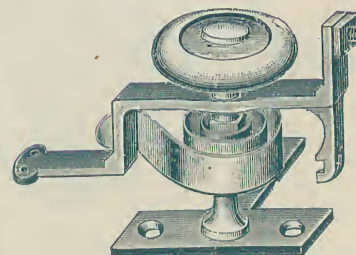
**No. 620.****Leader.****No. 621.****Flat.****Wheel and Chain Cranks.**

No. 621.—Flat	9/-	No. 620.—Leader	10/- doz.
" 622.—Pillar	12/-	"	"

**No. 623.****Plate Bell Carriage.**

Iron Plate.

No. 623.—Medium	8/-	per doz.
" 624.—Strong	11/-	"

**No. 625.****Plate Bell Carriage.**

Brass plate. Very strong.

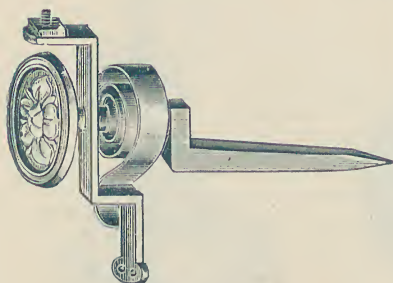
Plate or Drive 19/- per doz.

**Awards for Excellence of Machines and Tools:**



## BELL FITTINGS.

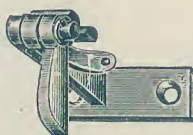
No. 627.



**Driving Bell Carriage.**

No. 627. Medium ... 10/- per doz.  
" 628. Strong ... 13/- "

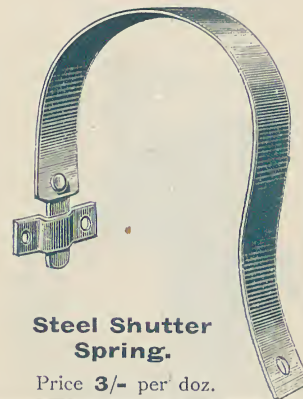
No. 629.



**Trigger Crank.**

Price 13/- per doz.

No. 630.



**Steel Shutter Spring.**

Price 3/- per doz.

No. 631.

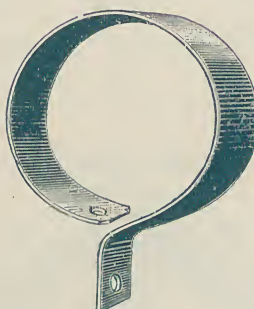


**Bell Carriage Spring.**

No.	1	2	3
Price	2/6	3/-	3/6

per doz.

No. 632.

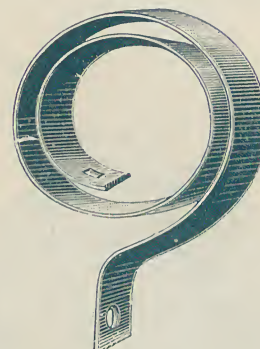


**Bell Springs.**

Sizes	3	3½	4	4½	5 in.
Price	1/6	1/9	2/6	3/-	3/6

per doz.

No. 633.

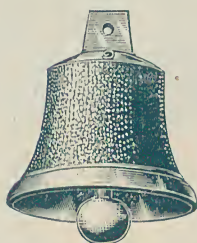


**Double Scroll Bell Springs.**

Sizes	1	2	3 in.
Price	6/-	7/-	8/-

per doz.

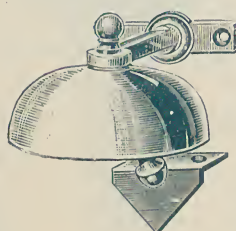
No. 634.



**Best House Bells.**

Price 1/6 per lb.

No. 635.

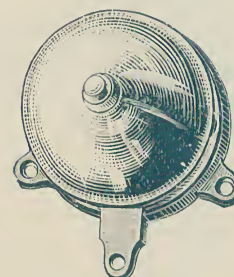


**Door Alarm.**

Nickel-plated Gong.

Price 3/6 each.

No. 636.

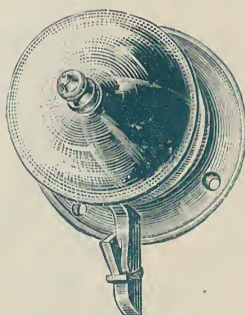


**Door Alarm.**

Sizes	3	3½	4 in.
Price	5/-	6/-	8/-

each.

No. 637.

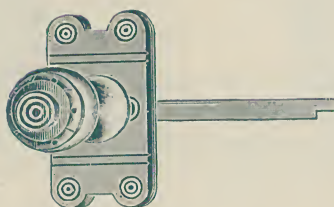


**Door Alarm.**

Sizes	3	3½	4 in.
Price	5/-	6/-	8/-

each.

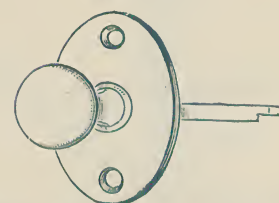
No. 638.



**Steel Bronzed Bell Pull.**

Size 3 x 1½ in., 2/- each.

No. 639.



**Polished Plate Bell Pull.**

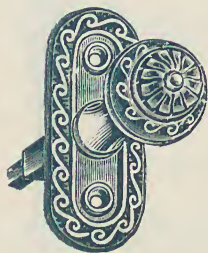
Sizes	1¾	2	2½	3 in.
Price	6/-	6/9	8/-	10/-

per doz.



## BELL PULLS AND BELL FITTINGS.

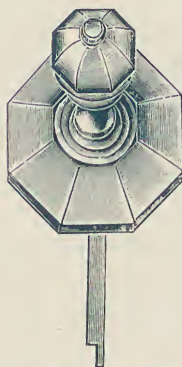
No. 640.

**Brass Bell Pull.**

No. 641. Polished, 2/- each.

No. 640. Bronzed and Relieved,  
2/3 each.

No. 642.

**Brass Bell Pull.**

Sizes  $2\frac{1}{2}$  3  $3\frac{1}{2}$  4 in.  
Price 1/8 1/11 2/9 3/9 each.

No. 643.

**3 1/2 in. Bronzed Brass  
Bell Pull.**

Price 2/6 each.

No. 644.

**Bell Pendulums.**

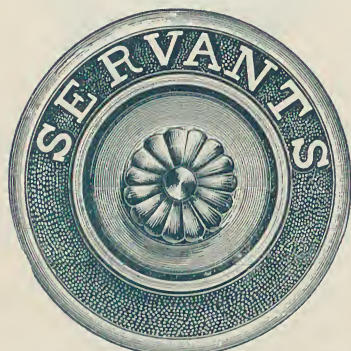
No. 644. Brass Rose—

Sizes 9 10 11 in.  
Price 6/- 8/- 11/- doz.

No. 645. China Rose—

Sizes 9 10 11 in.  
Price 8/- 11/- 12/- doz.

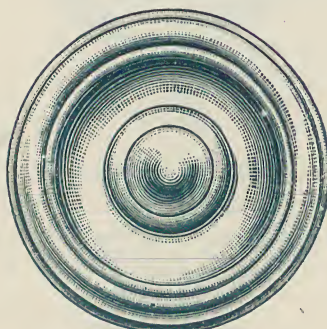
No. 646.

**Bronzed Brass Sunk Bell Pulls.**

Sizes 4 4 1/2 5 5 1/2 6 in.  
Price 3/9 5/- 6/3 7/6 9/3 each.

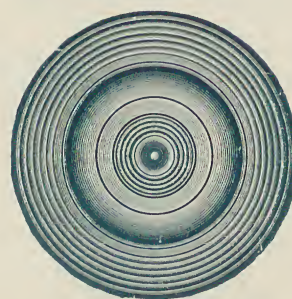
Plain or Lettered Visitors, etc.

No. 647.



5 in., Polished, 6/9 each.

No. 647a.



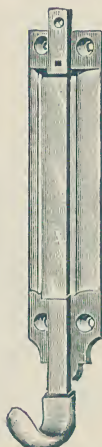
4 1/2 in., Polished, 4/9 each.

No. 648.

**Brass Slide Bell Pull.**

4 1/2 in., Reeded, -10 each.

No. 649.

**Brass Slide Bell Pull.**No. 649. Light—  
5 in., 1/- each.No. 650. Strong—  
5 1/2 in., 1/6 each.

No. 651.

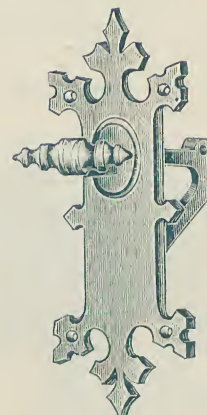
**Fancy Brass Quadrant  
Bell Pull Plate.**

4 x 1 1/2 in.

Bronzed and Relieved.

Price 2/- each.

No. 652.

**Brass Quadrant  
Bell Pull Plate.**

5 x 1 3/4 in.

Plain Polished.

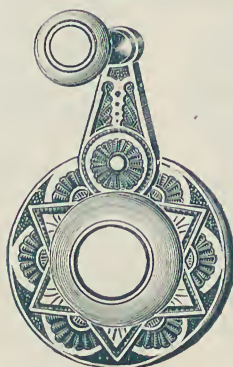
Price 2/9 each.

Awards for Excellence of Machines and Tools:



## BELL LEVERS, RACK PULLEYS, Etc.

No. 653.



No. 653.—Plain White or Black,  
5/- per pair.

No. 654.



No. 654a.—Plain White or Black,  
6/- per pair.

No. 654.—Black or White, with Gold  
Lines, 6/- per pair.

No. 656.



No. 656.—Plain White or Black.  
6/9 per pair.

No. 657.—Black or White, with Gold  
Lines, 7/9 per pair.

## BRASS RACK PULLEYS.

No. 658.



Sizes 4 4½ 5 in.

Price 5/6 6/- 6/6 per doz.

No. 659.



Size 5 in.,  
per 6/- doz.

No. 660.



Sizes 4 4½ 5 6 in.

Price 5/6 6/6 7/6 10/- per doz.

No. 661.



Machine Made.  
7/6 per doz.

No. 662.



Sizes 4 4½ 5 in.

Price 10/6 11/- 11/6 per doz.

## BRASS CLEAT HOOKS.

No. 666.



Sizes 3 3½ 4 5 in.

Price 2/6 3/- 3/9 5/6 per doz.

No. 667.



Sizes 3 3½ 4 5 in.

Price 5/- 6/- 7/6 10/- per doz.

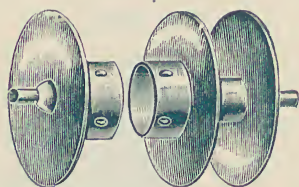
No. 668.



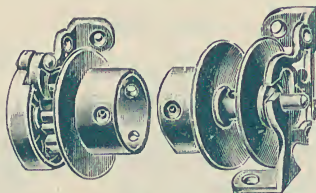
Price 6/6 per doz.

Bronze Medal, 1884.—Gold Medal, 1890.



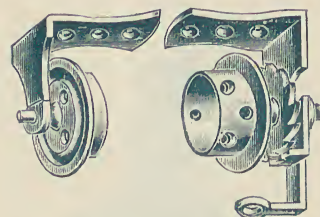
**BLIND FURNITURE, Etc.****No. 670.****Blind Roller Fittings.**

For  $1\frac{1}{2}$  in. Rollers, Flanges 3 in., 3/- per set;  
 $3\frac{1}{2}$  in., 4/6 per set.

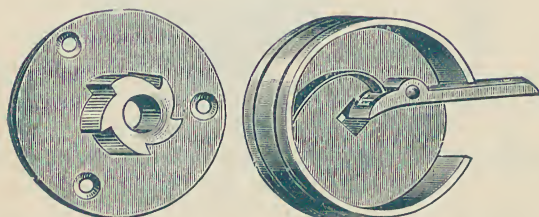
**No. 671.****Blind Furniture.**

**No. 671.** With Iron Brackets 1/8 per set.

„ **672.** All Brass ... 2/9 „

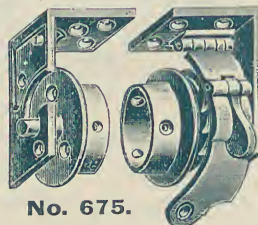
**No. 673.****Blind Furniture.**

Price 2/- per set.

**No. 674.****Brass Blind Caps and Racks for Spring Rollers.**

Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2  $2\frac{1}{2}$  in.

Price 12/- 14/- 18/- 35/- per doz. pairs.

**No. 675.****Lea's Patent Blind Furniture.**

**No. 675.** With Iron Brackets—  
 Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$   $1\frac{5}{8}$   $1\frac{1}{2}$  in.

2/9 3/9 4/3 5/- set.

**No. 676.** All Brass—  
 Sizes  $1\frac{1}{8}$   $1\frac{1}{4}$   $1\frac{3}{8}$   $1\frac{1}{2}$  in.

3/9 5/- 5/9 6/6 set.

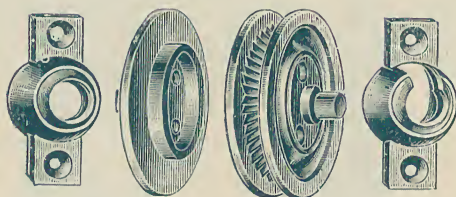
**No. 677.****Cleat Hook.**

**No. 677.** Stamped—

Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$   $1\frac{7}{8}$   $2\frac{1}{8}$  in.  
 2/3 2/6 2/9 3/3 doz.

**No. 678.** Cast—

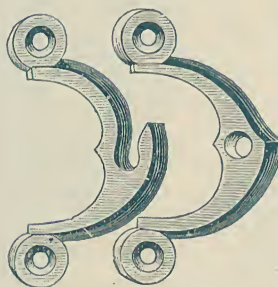
Sizes ...  $1\frac{3}{4}$   $1\frac{7}{8}$   $2\frac{1}{8}$  in.  
 3/3 4/3 5/6 doz.

**No. 679.****Brass Blind Ends.**

Sizes ...  $1\frac{3}{4}$  2  $2\frac{1}{4}$  in.

**No. 679.** With Brackets ... 6/- 8/- 10/- doz.

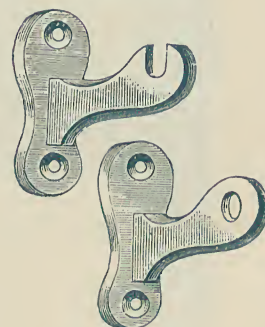
„ **680.** Without do., Burnished 7/- 9/6 11/6 „

**No. 681.****Blind Brackets.**

**No. 681.** Tinned Iron 1/3 doz. pairs.

„ **682.** Cast Brass 6/6 „

„ **683.** Do., Large 8/6 „

**No. 684.****Blind Brackets.**

**No. 684.** Iron ... 1/- doz. pairs.

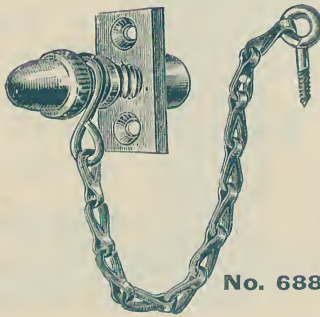
„ **685.** All Brass 5/- „

**No. 686.****Blind Tassel Knot Holders.**

Price 1/6 per doz.

**No. 687.**

Price 1/4 per doz.

**Brass Sash Stops and Wedges.****No. 688.**

With Chain. Without Chain.  
**No. 688.** Small 7/- 4/9 doz.  
 „ **689.** Large 11/6 9/6 „

**No. 690.**

**No. 690.** Small ... 3/6 per doz.  
 „ **691.** Large ... 4/- „

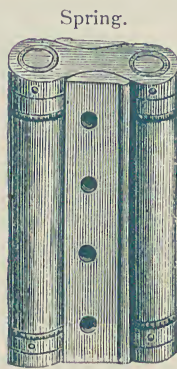


## HELICAL SPRING HINGES, DOOR SPRINGS, Etc.

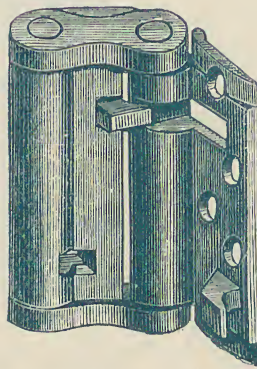
No. 696.



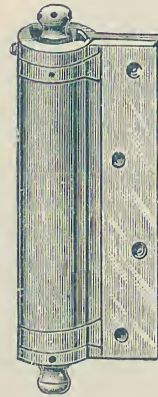
No. 698.



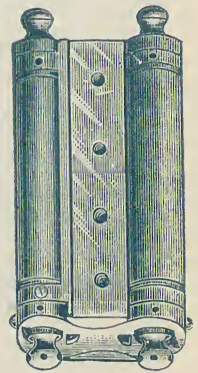
Blank.



No. 700.



No. 702.



### Helical Spring Hinges.

For Doors up to ... 1 1 $\frac{1}{4}$  1 $\frac{1}{2}$  1 $\frac{3}{4}$  2 2 $\frac{1}{4}$  thick.

Single Action— Sizes 3 3 $\frac{1}{2}$  4 4 $\frac{1}{2}$  5 6 in.

No. 696.—Japanned Iron } 19 2/2 2/8 3/- 3/3 3/9 each.  
Brass Knobs

No. 697.—Polished Brass 3/3 3/6 4/3 4/6 5/3 6/- "

Double Action—

No. 698.—Japanned Iron 4/6 5/9 6/9 7/6 9/- 10/- per pair.

No. 699.—Polished Brass 7/- 9/- 10/- 11/6 15/- 16/- "

### Patent Regulating Helical Spring Hinges.

For Doors up to ... 1 1 $\frac{1}{4}$  1 $\frac{1}{2}$  1 $\frac{3}{4}$  2 2 $\frac{1}{4}$  thick.

Single Action— Sizes 3 3 $\frac{1}{2}$  4 4 $\frac{1}{2}$  5 6 in.

No. 700.—Japanned Iron 1/8 2/- 2/3 2/9 3/- 4/- each.

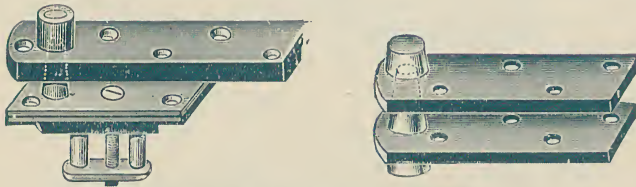
No. 701.—Polished Brass 3/- 3/6 3/9 4/6 5/- 6/- "

Double Action—

No. 702.—Japanned Iron 5/- 6/6 7/6 8/- 8/6 10/- per pair.

No. 703.—Polished Brass 8/6 10/6 11/6 13/- 14/- 16/- "

No. 704.

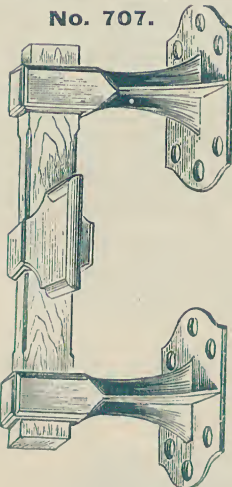


### Top and Bottom Centres.

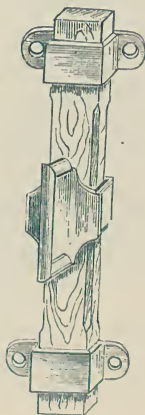
No. 704.—Price 5/6, per Set of Top and Bottom Centres.

No. 705. ,, 9/6, Larger and Stronger, ditto.

No. 707.



No. 708.

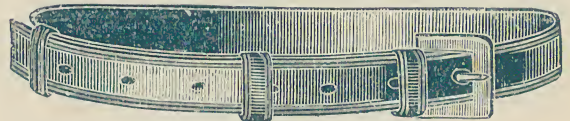


### Lancewood Door Checks.

No. 707.—30 x 1 $\frac{3}{4}$  in., Japanned Fittings, 5/- each.

No. 708.—30 x 1 $\frac{3}{4}$  " " " 3/6 " "

No. 706.

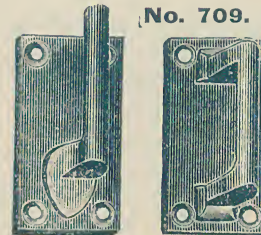


### Leather Door Straps with Brass Buckles.

4 ft. x 2 in. wide, 4/6; 4 ft. 6 in. x 2 in. wide, 5/- each.

5 ft. x 2 in. wide, 5/6 each.

No. 709.

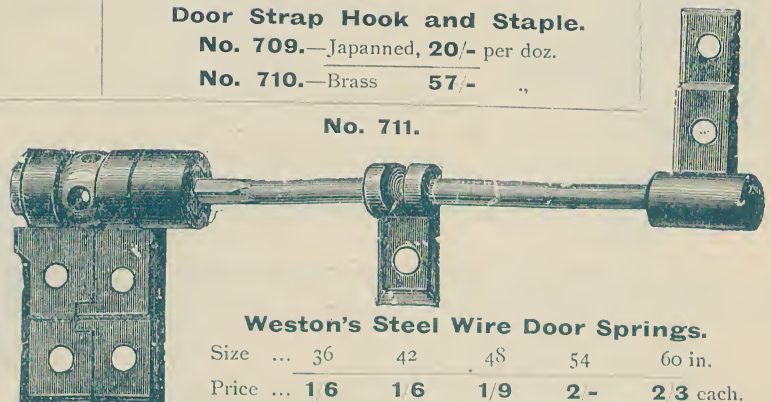


### Door Strap Hook and Staple.

No. 709.—Japanned, 20/- per doz.

No. 710.—Brass 57/- "

No. 711.



### Weston's Steel Wire Door Springs.

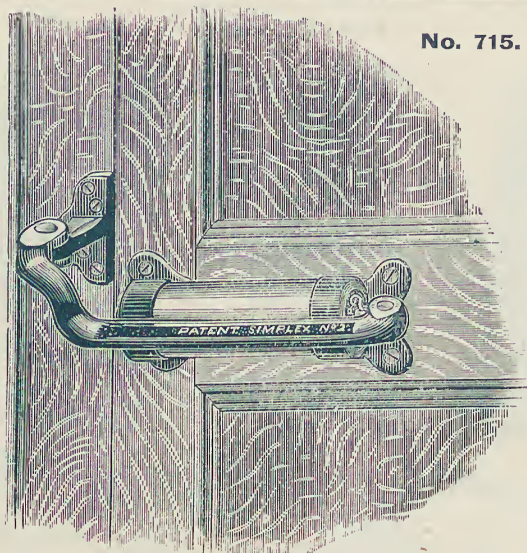
Size ... 36 42 48 54 60 in.

Price ... 1/6 1/6 1/9 2/- 2/3 each.

Bronze Medal, 1884.—Gold Medal, 1890.



## DOOR CHECKS, DOOR SPRINGS, Etc.



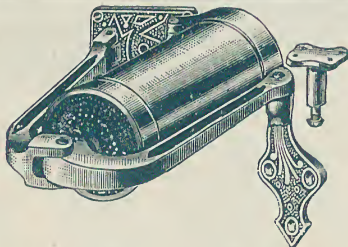
No. 715.

### The "Simplex" Door Spring and Check (Norton System).

The "Simplex" is very useful where a Spring cannot be fixed over top of door as it lies along the door, and can be fixed on top, middle, or bottom rail of door. Nickel-plated.

No. 715.	Suitable for Very Light Doors ...	15/-	each.
" 716.	Suitable for Light Doors ...	18/6	"
" 717.	Suitable for Medium Doors ...	22/6	"
" 718.	Suitable for Heavy Doors ...	26/-	"

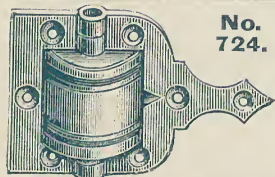
No. 720.



### Pneumatic Door Springs and Checks (Norton's System).

Made in Malleable Iron, Nickel-plated, and sent out with full instructions for fixing.

No. 720.	For Light Doors up to 2 ft. 6 in. wide ...	19/-	each.
" 721.	For Medium Doors, up to 2 ft. 8 in. wide ..	23/-	"
" 722.	For Heavy Doors, up to 3 ft. 6 in. wide ...	27/-	"
" 723.	For very Heavy Doors, to 4 ft. wide ...	36/-	"



No. 724.

### Brass Reliance Door Springs.

Sizes	0	1	2	3	4	5	6
	$4 \times 2\frac{1}{4}$	$4\frac{1}{4} \times 2\frac{3}{4}$	$5\frac{1}{2} \times 3\frac{1}{4}$	$6 \times 3\frac{1}{2}$	$6\frac{1}{2} \times 3\frac{3}{4}$	$7 \times 4\frac{1}{4}$	$7\frac{1}{4} \times 4\frac{3}{4}$
	in.						
Prices	3/3	3/9	4/6	5/-	5/9	7/-	8/-
	each.						

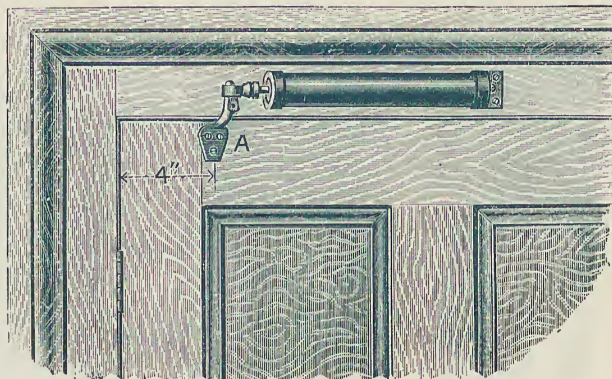
No. 725.



### Regulating Coil Steel Wire Door Spring.

No. 725.	For very Light Doors, 9 in. long ...	10	each.
" 726.	For Light Doors, 10 in. long ...	12	"
" 727.	For Medium Doors, 12 in. long ...	15	"
" 728.	For Heavy Doors, 12½ in. long ...	19	"
" 729.	For Extra Heavy Doors, 14 in. long ...	23	"

No. 730.



### The "Magic" Door Check.

To prevent Banging of Doors closed by Springs, etc., can be easily fixed on either side of door, and suits both right and left hand doors, price 10/- each.

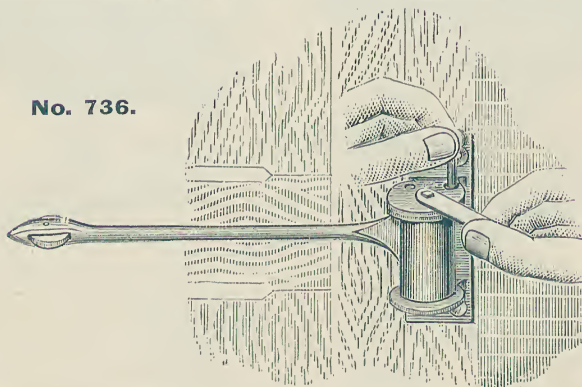
No. 731.



### Patent "Paragon" Door Springs.

No. 731.	Japanned Iron ...	1/6	each.
" 732.	Polished Brass ...	2/9	"
" 733.	Extra Strong Japanned Iron ...	2/9	"
" 734.	Extra Strong Polished Brass ...	4/-	"

No. 736.



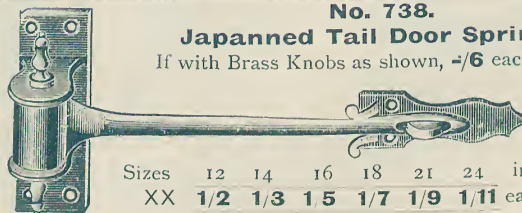
### Patent Regulating Door Spring.

Sizes	12	14	16	18	21	24	in.
XX	1/11	2/-	2/2	2/4	2/6	2/9	each.
XXX	2/3	2/4	2/6	2/9	3/-	3/3	"
XXXX	2/9	3/-	3/3	3/6	3/9	4/3	"

No. 738.

### Japanned Tail Door Springs.

If with Brass Knobs as shown, -/6 each extra.

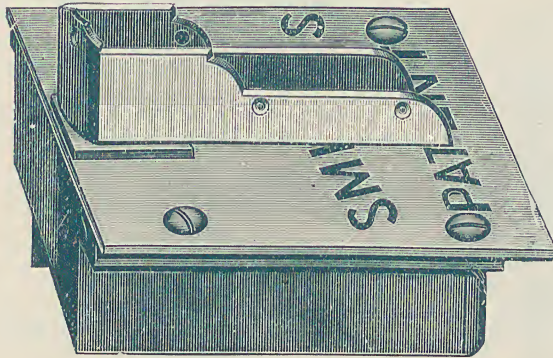


Sizes	12	14	16	18	21	24	in.
XX	1/2	1/3	1/5	1/7	1/9	1/11	each.
XXX	1/5	1/8	1/10	2/-	2/2	2/4	"
XXXX	1/9	1/11	2/1	2/3	2/5	2/8	"

Awards for Excellence of Machines and Tools :



## FLOOR DOOR SPRINGS.



No. 740.

No.		Brass Plate.	With Strap Iron.	If with Brass Bushed Shoe.					
				$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	$2\frac{1}{2}$ in.
740.	For Counter Doors	$3\frac{5}{8} \times 3\frac{1}{8}$ in.	8/9	—	—	—	—	—	—
741.	For very Light Doors	$4\frac{1}{2} \times 5$ in.	11/-	13/-	—	—	—	—	—
742.	For Light Doors	$5\frac{3}{8} \times 5\frac{1}{8}$ in.	15/6	17/6	17/6	18/9	18/9	18/9	—
743.	For Medium Doors	$7\frac{1}{4} \times 6\frac{5}{8}$ in.	18/-	20/-	20/-	21/-	21/-	21/-	21/-
744.	For Heavy Doors	$8\frac{3}{4} \times 7\frac{1}{4}$ in.	23/-	—	25/6	25/9	25/9	25/9	25/9
745.	For Heavy Doors	$9\frac{3}{4} \times 8\frac{1}{2}$ in.	32/6	—	34/3	34/9	34/9	34/9	34/9
746.	For very Heavy Doors	$9\frac{1}{2} \times 9\frac{1}{8}$ in.	38/9	—	40/9	41/6	41/6	41/6	41/6

If with Adjustable Top Centre, 3/3 each extra.

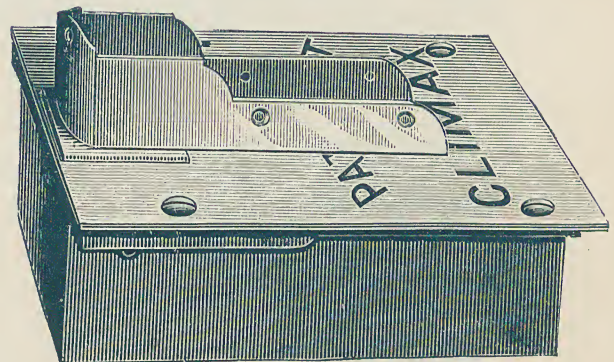
If with Adjustable Shoe, 6/6 extra to price of Ordinary Shoe.

No. 748.

	Brass Plate.	With Iron Strap.	If with Brass Bushed Shoe.					
			$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{1}{2}$ in.
748. For very Light Doors	$7\frac{1}{4} \times 4\frac{3}{8}$ in.	11/9	—	—	—	—	—	—
749. For Light Doors	$7\frac{3}{8} \times 4\frac{3}{8}$ in.	13/6	15/6	15/6	—	—	—	—
750. For Medium Doors	$8\frac{3}{8} \times 4\frac{3}{8}$ in.	15/6	17/6	17/6	18/9	18/9	—	—
751. For Medium Doors	$9\frac{3}{8} \times 5\frac{1}{4}$ in.	20/-	—	22/-	22/9	22/9	—	—
752. For Heavy Doors	$10\frac{3}{8} \times 5\frac{1}{4}$ in.	25/9	—	27/9	28/6	28/6	28/6	29/-
753. For Extra Heavy Doors	$10\frac{3}{8} \times 5\frac{1}{4}$ in.	28/6	—	—	31/-	31/-	31/-	31/6

If with Adjustable Top Centre, 3/3 each extra.

If with Adjustable Shoe, 6/6 extra to Ordinary Shoe.



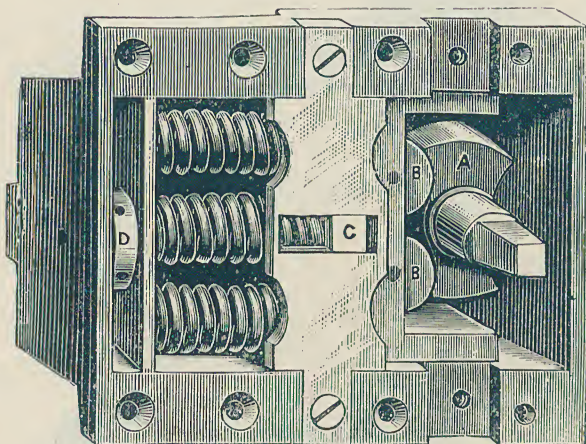
No. 760.

### Patent Floor Spring.

No.	Size of Box. Lgth., Width, Dpth.	With Iron Strap.	If with Brass Bushed Shoes.					
			$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	$2\frac{1}{2}$ in.
760.	For Light Doors	$6\frac{1}{2} \times 4\frac{1}{2} \times 1\frac{3}{4}$ in.	15/-	17/-	17/-	17/6	17/6	17/6
761.	For Medium Doors	$7\frac{3}{4} \times 4\frac{1}{2} \times 2$ in.	20/-	22/-	22/-	23/-	23/-	23/-
762.	For Medium Doors	$8\frac{1}{2} \times 5\frac{1}{4} \times 2$ in.	24/-	—	26/-	26/6	26/6	26/6
763.	For Heavy Doors	$9\frac{3}{8} \times 5\frac{1}{4} \times 2\frac{1}{8}$ in.	31/-	—	33/-	33/6	33/6	33/6
764.	For Extra Heavy Doors	$8\frac{3}{4} \times 7\frac{3}{4} \times 2\frac{1}{2}$ in.	40/-	—	42/-	43/-	43/-	43/6
765.	For BANK DOORS	$9\frac{3}{4} \times 8\frac{3}{8} \times 2\frac{3}{4}$ in.	54/-	—	58/-	59/-	59/-	61/-

If with Adjustable Top Centre, 3/3 each extra.

If with Adjustable Shoes, 6/6 extra to price of Ordinary Shoes.

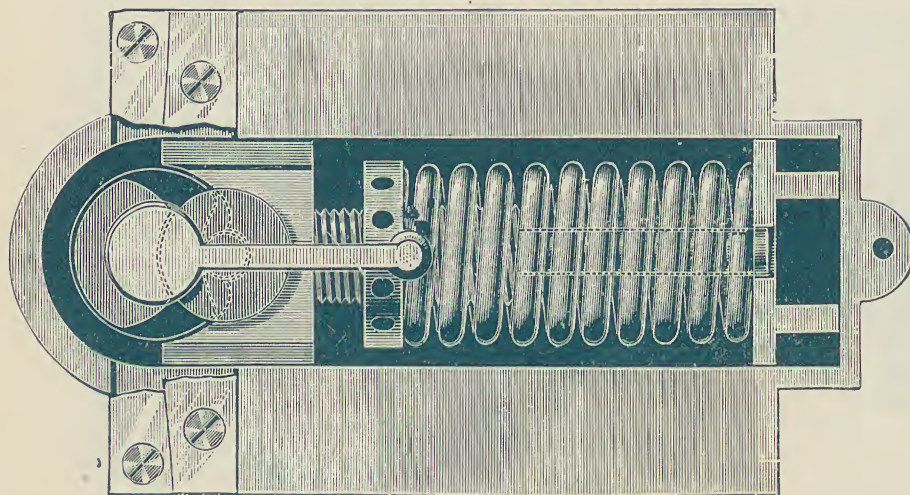


A is Cam (of Spindle), one side which takes one of the wheels B, while the other side takes the other wheel, thus giving double the ordinary durability; at the same time the two wheels hold spindle firmly, when door is closed, to prevent rocking. C is part of the slide working in groove top and bottom of box, which prevents slide wearing loose. D is regulator to increase or lessen strength of Spring.

The patented parts ensure certainty of action in keeping doors closed Rigidly to the Centre, but as the door is pushed open the power diminishes, and allows comfortable passage through; the door returns quietly till within a little distance from the centre, when the power of the Spring is exerted, and the door firmly closed in spite of wind.

Bronze Medal, 1884.—Gold Medal, 1890.



**FLOOR DOOR SPRINGS, BLOUNT'S DOOR CHECK & SPRING, Etc.****No. 766.**

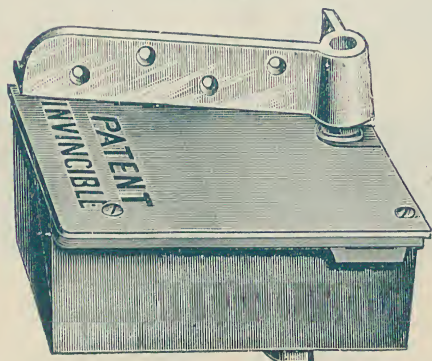
(HILL AND HODGE'S PATENT.)

This Spring is especially adapted for the heavy doors of Public Buildings. It is made of the very best materials, and no expense has been spared to produce a thoroughly reliable article. It can be supplied with Patent Hydraulic Check Action, if required.

Size, outside  
Brass Shoe 2 2 $\frac{1}{8}$  2 $\frac{1}{4}$  2 $\frac{3}{4}$  2 $\frac{1}{2}$  in.

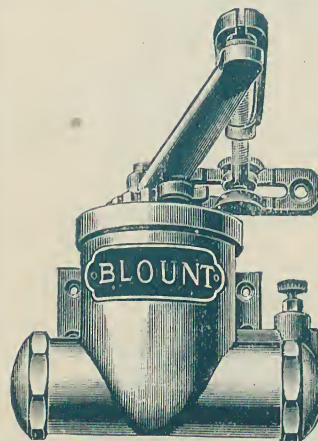
Prices for  
Heavy Doors 53/6 56/- 60/- 64/- 67/-

Size of Plate, 10 x 6 $\frac{1}{2}$  in.

**No. 767.****Patent Single Action Door Spring and Check.**

Size of Box.

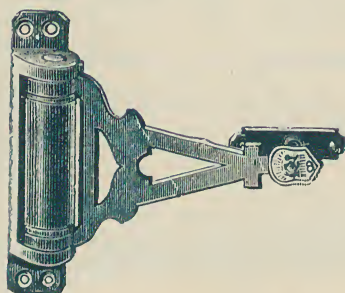
<b>No. 767.</b> —For Light Doors	9 $\frac{1}{2}$ x 5 $\frac{3}{4}$ x 3 $\frac{3}{4}$ in.	...	<b>34/-</b> each.
„ <b>768.</b> — „ Medium „	10 $\frac{3}{4}$ x 6 $\frac{1}{4}$ x 4 „	...	<b>42/-</b> „
„ <b>769.</b> — „ Heavy „	11 $\frac{1}{2}$ x 6 $\frac{1}{4}$ x 4 „	...	<b>52/-</b> „

**No. 770.****The "Blount" Door Check and Spring.**

The feature of this Spring is the ease with which the power can be regulated, or, if necessary, altogether removed. By simply turning a screw the door can be made to close rapidly up to within two inches of the jamb, where it is momentarily checked, immediately closing quite home; or it can be adjusted so that the door closes so slowly that the Spring is almost imperceptible; the opening resistance in either case is very slight indeed. It

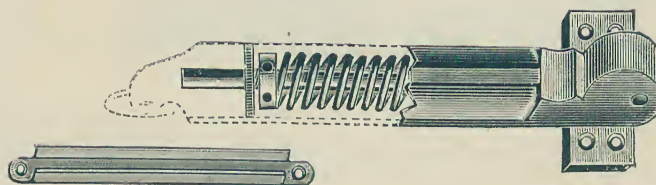
is made in Gun Metal throughout, and is most compact and neat in appearance. In ordering, care should be taken to say which hand the door opens, and whether to be fixed on the inside or outside.

<b>No. 770.</b> —For Partition Doors	...	...	<b>24/6</b> each.
„ <b>771.</b> — „ Ordinary „	...	...	<b>30/-</b> „
„ <b>772.</b> — „ Heavy „	...	...	<b>36/-</b> „

**No. 773.****Helical Door Spring.**

Sizes 3 3 $\frac{1}{2}$  4 5 6 7 8 in.

<b>No. 773.</b> —Japanned Iron	1/6 1/8 2/2 2/9 3/6 5/3 6/6 ca.
„ <b>774.</b> —Polished Brass	2/3 3/- 3/6 4/6 5/6 9/- 10/6 „

**No. 776.**

To turn out of use.

**Regulating Door Spring.**

Sizes 8 10 12 in.

<b>No. 776.</b> —Price, Japanned Iron	...	<b>2/9</b>	<b>4/-</b>	<b>6/-</b> each.
„ <b>777.</b> — „ Polished Brass	...	<b>4/9</b>	<b>5/6</b>	<b>7/6</b> „

**Awards for Excellence of Machines and Tools:**



## BRASS PICTURE ROD ENDS, HOOKS, AND BRACKETS.

No. 786.



Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

No. 786. Price 6/- 6/6 8/- 10/- doz.

„ 787. With Brass Plug—

Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 6/6 7/- 8/6 10/6 doz.

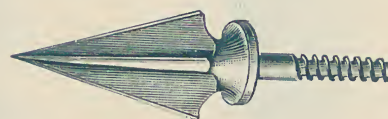
No. 788.



Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 5/6 6/- 8/- 9/- per doz.

No. 789.



Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 2/6 3/- 4/6 5/6 per doz.

No. 790.



Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 6/- 7/- 8/- 10/6 per doz.

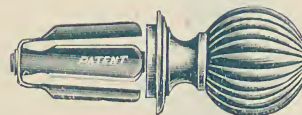
No. 791.



Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 4/- 4/3 5/9 7/6 per doz.

No. 792.



Patent Plug.

Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 8/- 9/6 11/6 14/- per doz.

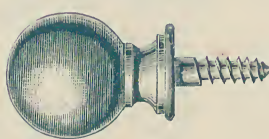
No. 793.



Size  $\frac{3}{4}$   $\frac{7}{8}$  1  $1\frac{1}{8}$   $1\frac{1}{4}$  in.

Price 8/- 9/- 10/6 15/6 17/- doz.

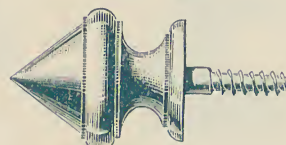
No. 794.



Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 4/6 5/9 7/- 9/- per doz.

No. 795.



Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 6/6 8/- 9/- 12/- per doz.

No. 796.

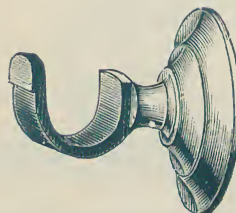


Driving Picture Rod Brackets.

Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 7/- 7/6 8/- 9/- per doz.

No. 797.

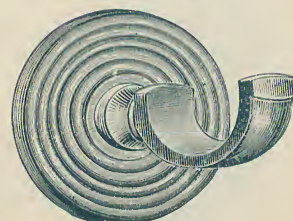


Strong Driving or Plate  
Picture Rod Bracket.

Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 5/- 6/- 7/- 8/- doz.

No. 798.



Brass Plate Picture Rod  
Brackets.

Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 4/- 5/- 6/- 7/- doz.

### BRASS PICTURE ROD HOOKS.

No. 799.



Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 3/- 3/6 3/9 4/6 doz.

No. 800.



Polished.

Size  $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 2/9 3/6 4/3 doz.

No. 801.



Polished.

Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 2/6 3/- 3/6 4/9 doz.

No. 802.



Size  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 2/9 3/3 3/9 4/6 doz.

Bronze Medal, 1884.—Gold Medal, 1890.



**BRASS MOULDING HOOKS, SCREW AND PLATE RINGS, Etc.****No. 804.**

For  $\frac{3}{4}$  in. Moulding.  
Polished, **1/6** per doz.

**No. 805.**

For  $\frac{3}{4}$  in. Moulding.  
Polished, **1/9** per doz.

**No. 806.**

Polished, **1/6** per doz.

**No. 807.**

Polished, **2/-** per doz.

**No. 808.**

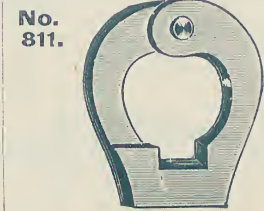
Polished, **2/9** per doz.

**No. 809.**

2 in., Polished, **3/6** per doz.

**No. 810.**

Size  $1\frac{1}{2}$   $1\frac{3}{4}$  2 in  
Price **-/10 1/- 1/6** per doz.

**No. 811.**

**Brass Connecting Link.**  
**1/3** per doz.

**No. 812.**

**Brass Plate Picture Hook.**

Per **3/6** doz.

**No. 813.**

**Screw Picture Ring.**

**No. 813. No. 814.**

	Light.	Medium.
$\frac{1}{2}$ in.	<b>3/3</b>	<b>4/-</b>
$\frac{5}{8}$ in.	<b>4/-</b>	<b>5/-</b>
$\frac{3}{4}$ in.	<b>4/9</b>	<b>6/6</b>
$\frac{7}{8}$ in.	<b>5/6</b>	<b>8/-</b>
1 in.	<b>7/6</b>	<b>10/-</b>

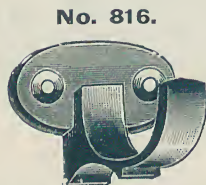
per gross.



**Plate Picture Ring.**

**No. 815.**

$\frac{5}{8}$ in.	<b>1/-</b> per doz.
$\frac{3}{4}$ in.	<b>1/3</b> "
$\frac{7}{8}$ in.	<b>1/6</b> "
1 in.	<b>1/9</b> "
$1\frac{1}{4}$ in.	<b>2/9</b> "

**No. 816.**

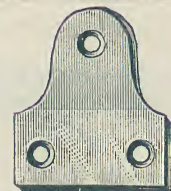
**Polished Brass Picture Rod Bracket.**

Sizes  $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.  
Price **3/6 4/3 5/- 6/-** doz.

**No. 817.**

**Polished and Lacquered Brass Cased Tube.**

Sizes  $\frac{1}{4}$   $\frac{5}{16}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1  $1\frac{1}{8}$   $1\frac{1}{4}$  in.  
Price **-/4  $\frac{1}{2}$  -/4  $\frac{1}{2}$  -/5 -/6 -/7 -/8 -/9 -/11 1/3 1/5** per foot.

**No. 818.**

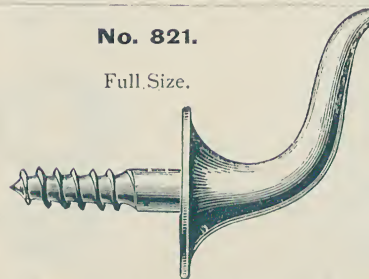
**Brass Glass Plate.**

**No. 818.** Pressed—  
Sizes  $\frac{3}{4}$  1  $1\frac{1}{4}$   $1\frac{3}{4}$   $1\frac{1}{2}$   $1\frac{3}{4}$  2 in.  
Price **-/4 -/5 -/7 -/9 1/2 1/6 2/-** doz.  
**No. 819.** Cast—  
Sizes 1  $1\frac{1}{4}$   $1\frac{3}{4}$   $1\frac{1}{2}$   $1\frac{3}{4}$  2 in.  
Price **1/3 1/6 1/9 2/3 3/6 5/-** doz.

**No. 820.**

**Brass Lamp Hook.**

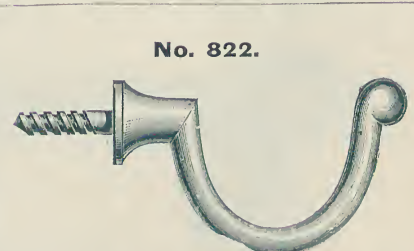
For  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in. Gas Barrel.  
Price **11/- 13/- 18/-** per doz.

**No. 821.**

Full Size.

**Brass Oval Shouldered Towel Hook.**

Sizes  $\frac{3}{4}$   $\frac{7}{8}$  1  $1\frac{1}{4}$   $1\frac{1}{2}$  in.  
Price **1/- 1/3 1/6 2/3 3/6** per doz.

**No. 822.**

**Brass Ruler Hooks.**

Sizes 1  $1\frac{1}{4}$   $1\frac{1}{2}$   $1\frac{3}{4}$  2  $2\frac{1}{4}$   $2\frac{1}{2}$  in.  
Price **-/8 1/- 1/4 1/9 2/3 2/6 3/9** doz.

**Awards for Excellence of Machines and Tools :**



# BRASS SHUTTER KNOBS, BUTTONS ON PLATES, CARD FRAMES.

No. 823.



**Brass Sash Knob.**

Sizes  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price -/7 -9 1/1 1/4 1/9 doz.

No. 824.



**Stamped Brass.**

Sizes  $\frac{7}{8}$  1  $1\frac{1}{8}$   $1\frac{1}{4}$   $1\frac{3}{8}$  in.

Price 1/4 1/6 1/9 2/4 2/9 doz.

No. 825.



Sizes  $\frac{3}{4}$   $\frac{7}{8}$  1  $1\frac{1}{4}$   $1\frac{3}{8}$  in.

Price 2/- 2/2 2/6 2/9 3/9 doz.

No. 826.



Size  $\frac{3}{4}$  1  $1\frac{1}{4}$   $1\frac{1}{2}$  in.

Price 3/9 4/9 7/- 10/6 doz.

No. 827.



**Fancy.**

Per 18/- doz.

No. 828.



**Cast.**

Sizes  $1\frac{1}{8}$   $1\frac{1}{4}$   $1\frac{3}{8}$  in.

Price 8/- 9/- 10/6 doz.

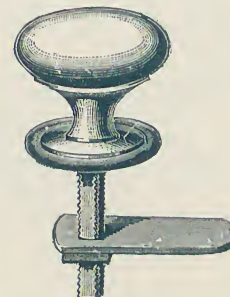
No. 829.



**Cast.**

Per 25/- doz.

No. 830.

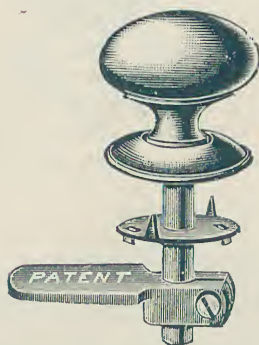


**Brass Turnbuckle,  
The "Perfect."**

Sizes 1  $1\frac{1}{8}$   $1\frac{1}{4}$   $1\frac{3}{8}$  in.

Price 2/6 3/3 4/- 4/6 doz.

No. 831.

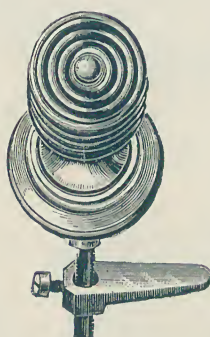


**Patent Brass Turnbuckle.**

Sizes  $1\frac{1}{8}$   $1\frac{1}{4}$   $1\frac{3}{8}$  in.

Price 3/9 4/6 5/- per doz.

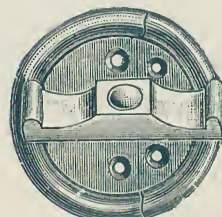
No. 832.



**Cast Brass Turnbuckle.**

1/8 each.

No. 833.



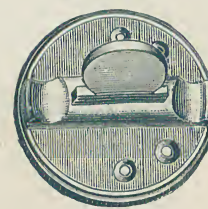
**Brass Buttons on Plates.**

Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2  $2\frac{1}{4}$  in.

No. 833. ... 4/6 5/- 5/9 8/- per doz.

.. 834. ... 5/- 5/6 7/- 9/6 ..

No. 834.



No. 835.



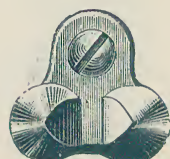
Sizes 1  $1\frac{1}{4}$   $1\frac{1}{2}$  2  $2\frac{1}{4}$  in.  
Price -8 1/- 1/2 1/9 2/3 doz.

No. 836.



Sizes  $\frac{1}{2}$   $\frac{3}{4}$   $\frac{7}{8}$  1  $1\frac{1}{4}$  in.  
Price -/5 -/7 -/8 -10 1/2 doz.

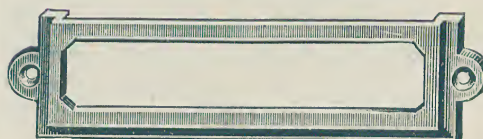
No. 837.



**Patent Automatic Cup-board Catch.**

per 6/- doz.

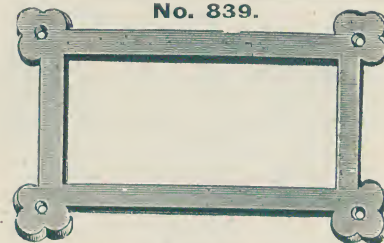
No. 838.



**Brass Card Frame.**

Per 5/- doz.

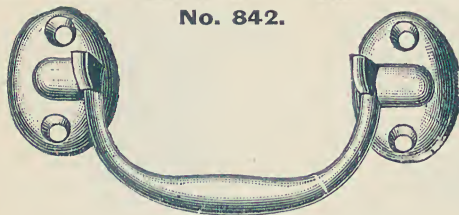
No. 839.



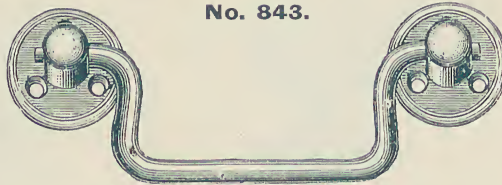
**Brass Card Frame.**

Sizes  $2\frac{1}{2} \times 1\frac{1}{2}$   $3 \times 1\frac{3}{4}$   $3\frac{1}{2} \times 2$   $3\frac{3}{4} \times 2\frac{1}{2}$  in.  
Price 5/- 5/3 6/- 8/- per doz.



**BRASS LIFTING AND WARDROBE HANDLES, Etc.****No. 842.****Brass Lifting Handles.**

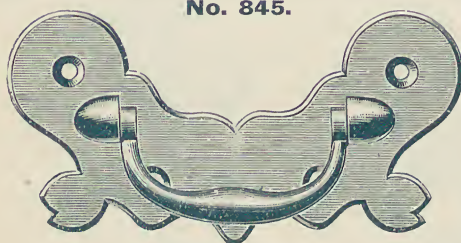
Sizes  $2\frac{3}{4}$  3  $3\frac{1}{4}$   $3\frac{1}{2}$  4 in.  
Price 6/- 7/3 8/- 8/6 11/- single doz.

**No. 843.****Brass Drawer Handles.**

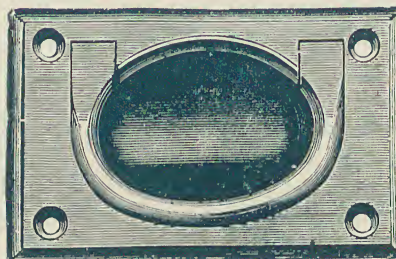
Sizes  $3\frac{1}{4}$   $3\frac{3}{8}$   $4\frac{1}{4}$   $4\frac{1}{2}$  in.  
Price 8/6 11/6 13/- 15/6 single doz.

**No. 844.**

Sizes 1  $1\frac{1}{4}$   $1\frac{1}{2}$  2 in.  
Price 12/- 15/- 18/6 27/- doz.

**No. 845.****Size of Plate.**

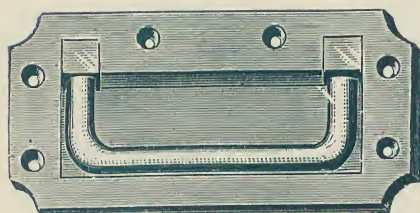
Sizes  $4\frac{1}{4}$   $4\frac{7}{8}$  5  $5\frac{1}{2}$  6 in.  
Price 11/- 15/- 17/- 21/- 23/- per doz.

**No. 846.****Dead Dipped and Burnished.**

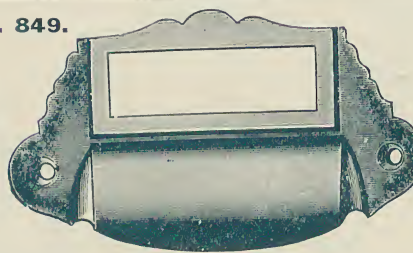
Sizes 2  $2\frac{1}{4}$   $2\frac{1}{2}$  3  $3\frac{1}{2}$  4 in.  
Price 5/3 6/- 6/6 7/9 9/6 13/- doz.

**No. 847.**

Sizes  $1\frac{1}{2}$  2 in.  
Price -/11 1/2 each.

**No. 848.**

Sizes 3  $3\frac{1}{2}$  4  $4\frac{1}{2}$  in.  
Price 9/- 10/- 13/- 17/- doz.

**No. 849.**

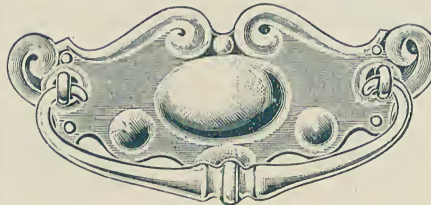
Polished for Cards.  
Price 10/- doz.

**No. 850.**

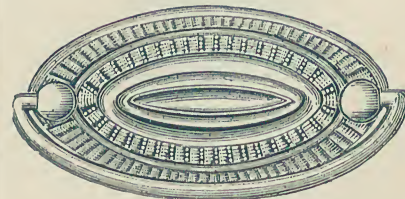
Sizes  $\frac{3}{4}$  1  $1\frac{1}{4}$   $1\frac{1}{2}$  in.  
Price 6/6 8/- 8/6 10/- doz.

**No. 851.**

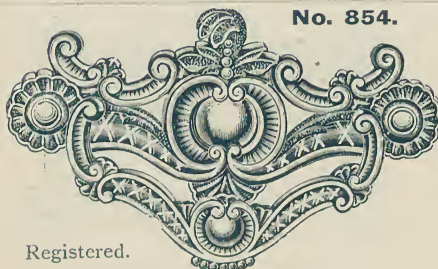
Sizes 2  $2\frac{1}{2}$  3  $3\frac{1}{2}$  4 in.  
Price 5/- 6/- 7/- 8/- 10/- doz.

**No. 852.**

Sizes  $2\frac{1}{2}$   $3\frac{1}{2}$   $4\frac{1}{2}$  5 in.  
Price 4/3 5/3 6/- 7/6 doz.

**No. 853.**

Stamped Plates, Cast Handle.  
Price 12/- per doz.

**No. 854.**

Registered.

Sizes  $2\frac{1}{2}$   $3\frac{1}{2}$   $4\frac{1}{2}$   $5\frac{1}{2}$  in.  
Price 1/- 1/3 1/10 2/6 each.

**No. 855.**

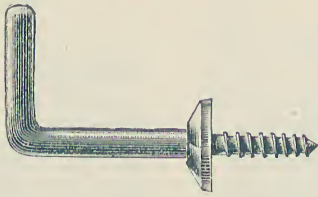
Polished.  
Per 12/- doz.

**No. 856.**

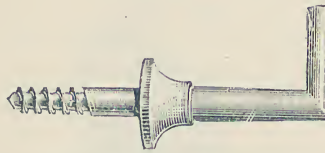
Price 13/6 doz.

**Awards for Excellence of Machines and Tools :**

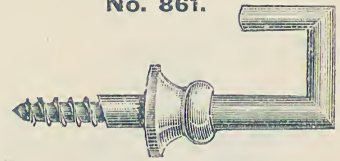


**DRESSER HOOKS, LAMP HOOKS, SIDE HOOKS, Etc.****No. 858.**

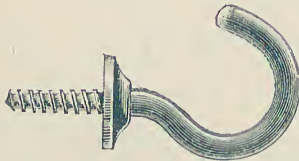
Sizes  $\frac{3}{4}$  1  $1\frac{1}{8}$   $1\frac{1}{4}$   $1\frac{3}{8}$   $1\frac{1}{2}$  in.  
 Price 5/- 6/9 8/- 9/- 11/- 12/- gross.

**No. 860.****Cast Dresser Hook.**

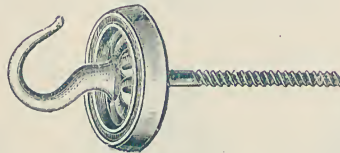
$\frac{5}{8}$   $\frac{3}{4}$  1  $1\frac{1}{8}$   $1\frac{1}{4}$   $1\frac{1}{2}$  2 in.  
 5/6 6/9 8/6 9/- 10/- 14/- 23/- gross.

**No. 861.****Cast Dresser Hook with return end.**

Sizes  $\frac{3}{4}$   $\frac{7}{8}$  1  $1\frac{1}{4}$   $1\frac{1}{2}$  in.  
 Price 10/6 11/3 13/- 19/6 26/- gross.

**No. 862.****Brass Cup Hook.**

Sizes  $\frac{5}{16}$   $\frac{3}{4}$   $\frac{7}{8}$  1  $1\frac{1}{4}$   $1\frac{1}{2}$  in.  
 Price 5/9 6/- 8/- 9/- 12/- 16/- gross.

**No. 863.****Brass Ceiling Hook and Rose.**

2/6 per doz.

**No. 864.****Brass Side Hook and Eye.**

**No. 864.** Stamped—  
 Sizes  $\frac{3}{4}$  1  $1\frac{1}{4}$   $1\frac{1}{2}$  in.  
 Price 8/- 11/- 14/- 20/- gross pairs.  
**No. 865.** Cast—  
 $\frac{3}{4}$  1  $1\frac{1}{4}$   $1\frac{1}{2}$  2  $2\frac{1}{4}$   $2\frac{1}{2}$  3 in.  
 1/6 1/9 2/6 2/6 3/- 4/6 6/- 6/9 doz. prs.

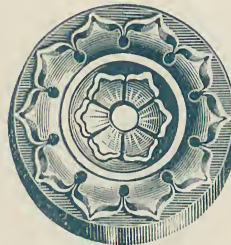
**No. 866.****Brass Lamp Hook.**

Sizes with  $2\frac{1}{2}$  3  $3\frac{1}{2}$  4  $4\frac{1}{2}$  5 6 in. screw.

**No. 866.** Light... 5/6 6/- 6/3 6/6 6/9 7/- 7/6 doz.

„ **867.** Medium 6/6 7/- 7/9 8/- 8/6 8/9 9/6 „

„ **868.** Strong. — 8/6 9/- 9/6 10/- 10/6 11/- „

**No. 869.****Brass Ceiling Roses.**

Size  $2\frac{1}{2}$  3  $3\frac{1}{2}$  4 in.  
 Price 2/6 3/3 6/6 10/- doz.

**No. 870.****Brass Head Nails.**

**No. 870.** Stamped covered Head—  
 1  $1\frac{1}{4}$   $1\frac{1}{2}$  2  $2\frac{1}{2}$  3  $3\frac{1}{2}$  4 in.  
 -/10 1/- 1/3 1/6 2/- 2/9 3/6 4/- gross.

**No. 871.** Cast Head—  
 1  $1\frac{1}{4}$   $1\frac{1}{2}$  2  $2\frac{1}{2}$  3  $3\frac{1}{2}$  4 in.  
 1/9 2/- 2/3 2/6 4/- 5/3 6/6 7/6 gross.  
 Small quantities 1/6 gross extra.

**No. 872.****Fancy Picture Nails.**

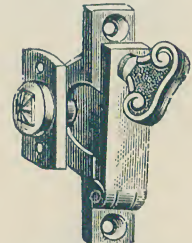
Sizes ... 2  $2\frac{1}{2}$  3  $3\frac{1}{2}$  4 in.

**No. 872.** China Head ... 4/- 4/3 4/6 5/- — per doz.

„ **873.** Brass Head ... 4/3 4/6 4/9 5/6 6/- „

**No. 873.****No. 874.****Drugget Pin.**

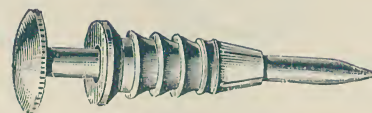
$\frac{5}{8}$   $\frac{3}{4}$  in. heads  
 4/6 5/6 per gross.

**No. 875.****Brass Looking Glass Movements.**

$1\frac{1}{8}$  2  $2\frac{1}{4}$   $2\frac{1}{2}$  in.  
 8/6 10/6 16/- 30/- doz. pairs

**No. 876.****Brass S Hooks.**

$\frac{3}{4}$  1  $1\frac{1}{4}$   $1\frac{1}{2}$  2  $2\frac{1}{4}$  in.  
 2/- 3/- 5/- 7/6 11/- 16/- gross.

**No. 877.****Machine-made Carpet Pin and Socket.**

Full Size.  
 Price 2/6 per doz.

**No. 878.****Brass Driving Eye.**

Price 2/6 per gross.

**No. 879.****Brass Screw Eye.**

Sizes  $\frac{1}{2}$   $\frac{3}{4}$  1 in.  
 Price 5/6 10/- 12/- gross.

**Bronze Medal, 1884.—Gold Medal, 1890.**



# ESCUTCHEONS, FANCY BRASS CHAIR NAILS, AND CASTORS.

No. 880.



No. 880 1 2 3 in.  
-4 -4 -5 -6 doz.

No. 881.



Nozzle.

Sizes  $\frac{3}{4}$   $\frac{7}{8}$  1 in.  
Price 2/- 3/- 4/- doz.

No. 882.



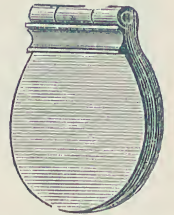
Price 5/- per doz.

No. 883.



Price 7/- per doz.

No. 884.



Sizes  $1\frac{3}{8}$   $1\frac{1}{2}$   $1\frac{5}{8}$   $1\frac{3}{4}$  in.  
6/- 6/6 7/- 8/- doz.

No. 885.



Per 4/3 doz.

No. 886.



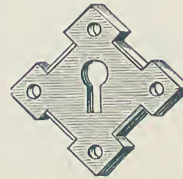
Per 4/6 doz.

No. 887.



Per 4/6 doz.

No. 888.



Per 3/6 doz.

No. 889.



Per 4/6 doz.

## FANCY BRASS CHAIR NAILS.

No. 890.



Sizes  $\frac{1}{2}$   $\frac{5}{8}$  in.  
Price 3/6 4/6 gross.

No. 891.



Size  $\frac{5}{8}$  in.  
Price 5/6 gross.

No. 892.



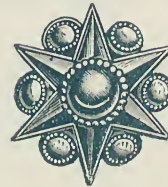
Sizes  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.  
3/3 3/9 4/6 gross.

No. 893.



Sizes  $\frac{1}{2}$   $\frac{5}{8}$  in.  
Price 3/6 4/- gross.

No. 894.



Sizes  $\frac{1}{2}$   $\frac{5}{8}$  in.  
Price 4/- 4/9 gross.

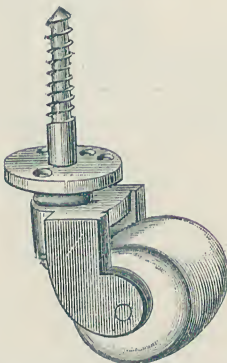
No. 895.



Sizes  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.  
4/- 4/9 5/6 gross.

## CASTORS.

No. 896.



White or Brown Bowl.

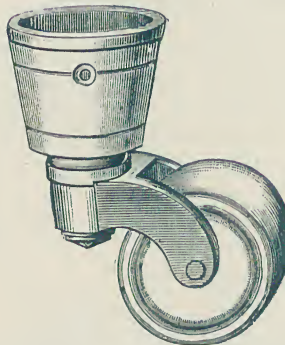
No. 896.

Sizes  $\frac{3}{4}$  1  $1\frac{1}{8}$   $1\frac{1}{4}$   $1\frac{3}{8}$  in.  
Price 1/10 2/3 2/9 3/6 4/- per set.

No. 897. Brass Bowl—

Sizes 1  $1\frac{1}{8}$   $1\frac{1}{4}$   $1\frac{3}{8}$  in.  
Price 2/3 3/6 4/- 4/9 per set.

No. 898.



White or Brown Bowl.

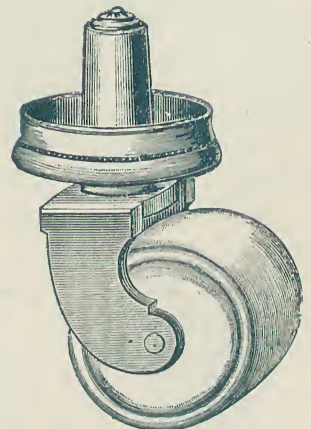
No. 898.

Sizes  $\frac{3}{4}$  1  $1\frac{1}{8}$   $1\frac{1}{4}$   $1\frac{3}{8}$  in.  
Price 2/3 2/6 2/9 3/- 3/6 4/- set.

No. 899. Brass Bowl—

Sizes 1  $1\frac{1}{8}$   $1\frac{1}{4}$   $1\frac{3}{8}$  in.  
Price 3/6 4/- 4/6 5/6 set.

No. 900.



Dining Table Castor.

Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2  $2\frac{1}{4}$  in.  
Price 7/- 8/6 10/- 12/6 per set.

Awards for Excellence of Machines and Tools:



# SHOP WINDOW FITTINGS.

No. 904.



Single.

No. 905.



Double.

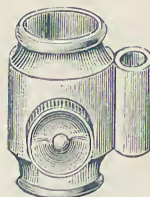
**Cast Sash Bead Sockets.**

Sizes  $\frac{1}{4}$   $\frac{5}{16}$   $\frac{3}{8}$  in.

No. 904.—Single 1/9 2/6 3/- doz.

„ 905.—Double 3/6 4/- 4/6 „

No. 906.



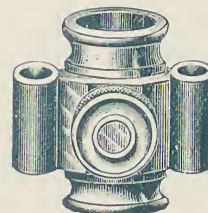
**Sliding Sockets.**

Sizes  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  1 in.

No. 906.—Single 5/6 5/9 8/- 11/- doz.

„ 907.—Double 6/9 7/6 8/6 12/6 „

No. 907.



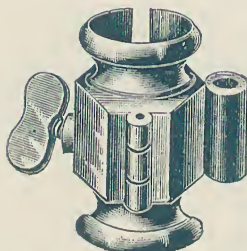
**Octagon Sliding Sockets.**

Sizes  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  1 in.

No. 908.—Single 6/6 6/9 10/- 12/6 doz.

„ 909.—Double 7/6 7/9 11/- 13/6 „

No. 910.



**Hinged Sliding Socket.**

Sizes  $\frac{1}{2}$   $\frac{3}{4}$  1 1 1/4 in.

No. 910.—Single 8/- 11/6 14/6 19/6 doz.

„ 911.—Double 9/6 14/6 18/- 25/- „

No. 912.



**Lip Socket.**

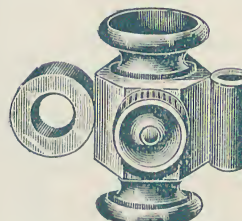
To suit Standard.

Sizes  $\frac{3}{4}$   $\frac{7}{8}$  1 1 1/4 in.

Price 8/- 9/6 11/- 17/- doz.

The Lip is to carry 1/2-in. cross Rod, but they can be supplied to suit up to 1 in. at same price.

No. 913.



**Socket to carry Rod and Arm.**

Sizes  $\frac{3}{8}$   $\frac{7}{8}$  1 1 1/4 in.

Price 8/- 9/6 11/- 17/- doz.

The Ring is to carry 1/2-in. cross Rod, but can be supplied to suit 1-in. Rod.

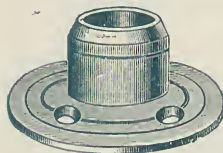
No. 914.



**Ring and Screwed Socket.**

Socket not	Socket
Sizes.	Screwed. Screwed.
$\frac{3}{4} \times \frac{1}{2}$ in....	10/- 11/- doz.
$1 \times \frac{1}{2}$ „ ..	11/- 12/- „
$1 \times \frac{3}{4}$ „ ..	12/- 13/- „

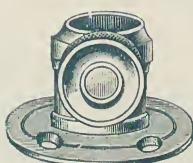
No. 915.



**Top and Bottom Sockets.**

Sizes  $\frac{1}{2}$   $\frac{3}{4}$   $\frac{7}{8}$  1 1 1/4 in.  
4/- 5/3 5/6 7/- 8/- doz.

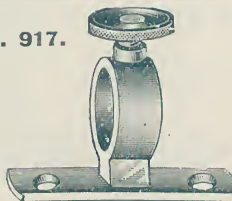
No. 916.



**Top and Bottom Sockets.**

Sizes  $\frac{1}{2}$   $\frac{3}{4}$   $\frac{7}{8}$  1 1 1/4 in.  
6/- 8/- 9/- 11/- 14/- doz.

No. 917.

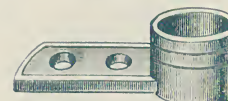


**Fixed Sockets.**

Sizes  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 1 1/4 in.

Price 4/- 5/6 6/- 7/- 8/- 12/- doz.

No. 918.

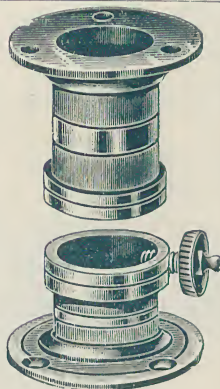


**Fixing Socket.**

Sizes  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 1 1/4 in.  
Price 3/- 3/6 4/- 5/6 6/6 8/6 doz.

No. 919.

**Top and Bottom Socket.**



No. 919.—Top only—

Sizes  $\frac{3}{4}$  1 1 1/4 in.

Price 7/- 10/- 12/- doz.

No. 920.—Bottom Socket with Screwed Flange—

Sizes  $\frac{3}{4}$  1 1 1/4 in.

Price 8/- 11/- 13/- single doz.

No. 921.



**Fixed Bracket.**

Sizes  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 1 1/4 in.  
4/6 5/- 5/6 6/9 7/9 10/6 doz.

No. 922.

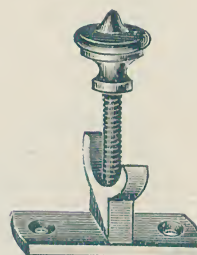


**Rod End.**

Sizes  $\frac{1}{2}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.

Price 3/3 3/9 4/6 7/3 per doz.

No. 923.

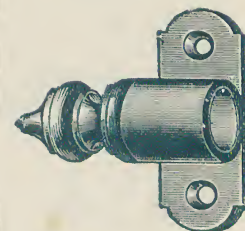


**Rod Brackets.**

Sizes  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

Price 5/6 6/6 8/- 8/6 9/6 doz.

No. 924.



**Guard Rod Plugs.**

Sizes  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.

Price 13/- 15/6 21/- doz.



## SHOP WINDOW FITTINGS.

No. 926.



Brass Window Arm.

Sizes	8	10	12	14	16	18	20	22	24 in.
$\frac{1}{4}$ in.	3/-	3/6	3/9	4/-	4/3	4/6	4/9	5/-	5/3 doz.
$\frac{5}{16}$ in.	4/-	4/3	4/9	5/-	5/3	5/9	6/3	6/9	7/3 "
$\frac{3}{8}$ in.	5/3	5/9	6/3	6/9	7/9	8/9	9/9	10/9	12/- "

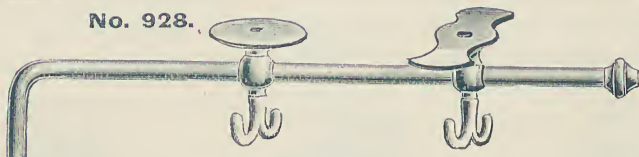
Fancy Brass Window Arm.

Sizes	9	10	11	12 in.
$\frac{3}{8}$ in.	7/9	8/-	8/6	9/- doz.

No. 927.



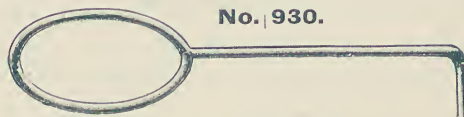
No. 928.



Boot Bracket.

No. 928.—Straight Rod, with Stamped Heel and Toe Plate,  $12 \times \frac{1}{4}$  in., 13/6 doz.  
 „ 929.— „ „ Cast „ „  $12 \times \frac{5}{16}$  in., 19/6 „

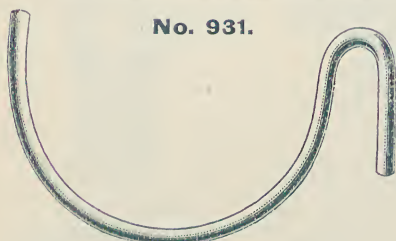
No. 930.



Brass Ring Bracket.

Sizes	$8 \times \frac{1}{4}$	10/- doz.
„	$8 \times \frac{3}{8}$	15/6 „

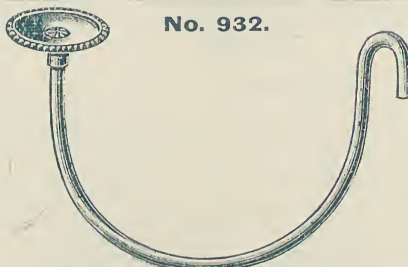
No. 931.



Milliner Bracket.

Sizes.	Burnished.	If Plush Top.
$10 \times \frac{1}{4}$ in.	3/9	11/6 doz.
$10 \times \frac{5}{16}$ in.	5/-	12/6 „
$10 \times \frac{3}{8}$ in.	7/9	15/- „

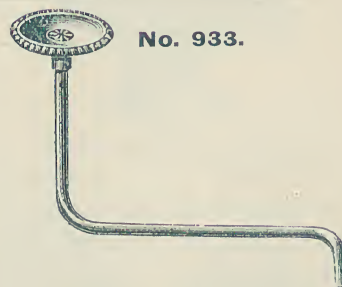
No. 932.



Milliner Bracket with Beaded Top

Sizes.	Burnished.	If Plush Top.
$10 \times \frac{1}{4}$ in.	6/-	11/6 doz.
$10 \times \frac{5}{16}$ in.	7/6	12/6 „
$10 \times \frac{3}{8}$ in.	10/-	15/- „

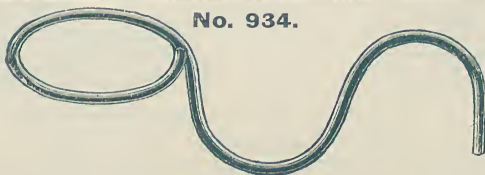
No. 933.



Milliner's Bracket.

Sizes.	Plush Top.	Without Top.
$8 \times \frac{1}{4}$ in.	5/6	11/- 3/9 doz.
$8 \times \frac{3}{8}$ in.	10/-	15/- 8/- „

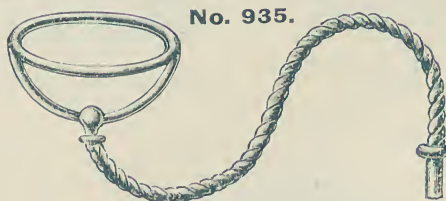
No. 934.



Burnished Ring Brackets.

9 in. projection	$\times \frac{1}{4}$ in.	10/6 per doz.
9 „	$\times \frac{5}{16}$ in.	12/6 „
12 „	$\times \frac{5}{16}$ in.	19/- „
9 „	$\times \frac{3}{8}$ in.	21/- „

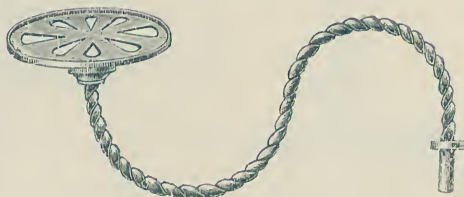
No. 935.



Pine Apple Bracket.

Size  $10 \times \frac{3}{8}$  in. Arm 40/- per doz.  
 If all Plain Tube ... 38/6 „

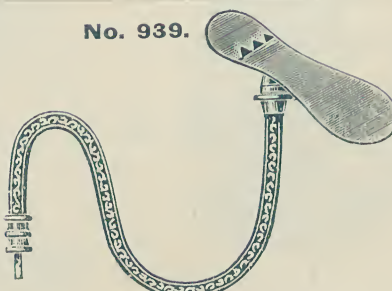
No. 936.



Fancy Window Bracket.

No. 936.— $\frac{3}{8}$  in. Tube .. 24/- doz.  
 „ 937.— $\frac{3}{8}$  in. Plain Tube 22/6 „

No. 939.



Boot Bracket.

No. 938.—Plain Tube 17/6 per doz.  
 „ 939.—Fancy Tube 19/- „

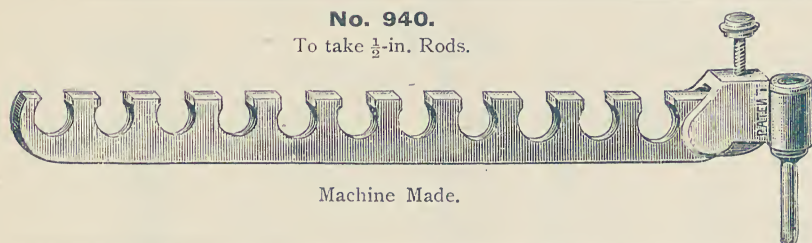
Awards for Excellence of Machines and Tools:



## SHOP WINDOW FITTINGS.

### No. 940.

To take  $\frac{1}{2}$ -in. Rods.



Machine Made.

### Rise and Fall Window Brackets.

#### No. 940. Polished—

Sizes 8 10 12 15 18 21 24 in.

Price 14/- 15/- 16/- 19/- 23/- 28/- 31/- doz.

#### No. 941. Dipped—

Sizes 8 10 12 15 18 21 24 in.

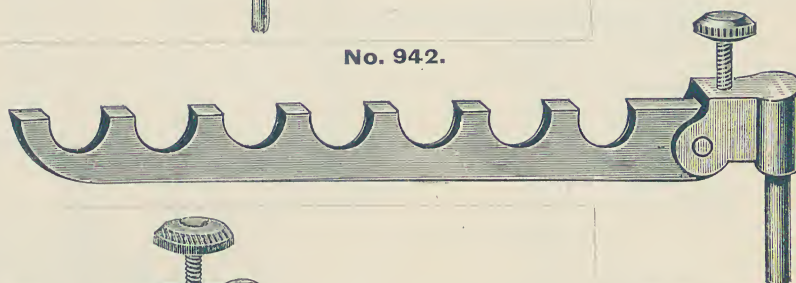
Price 13/- 14/- 15/- 18/- 22/- 27/- 30/- doz.

### No. 942.

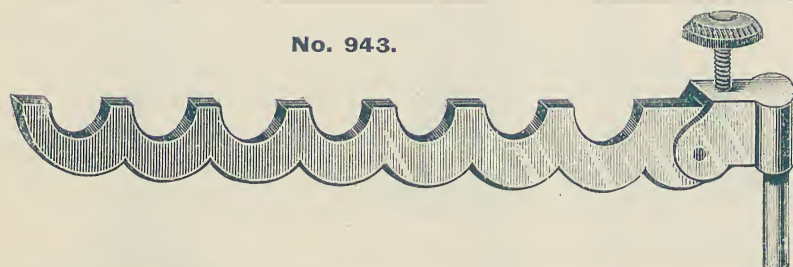
To take  $\frac{1}{2}$ -in. Rods.

Sizes 6 8 10 12 14 16 18 in.

Price 12/9 13/3 15/- 18/- 22/- 23/- 26/- doz.



### No. 943.



To take  $\frac{1}{2}$ -in. Rods.

Sizes 8 10 12 15 18 in.

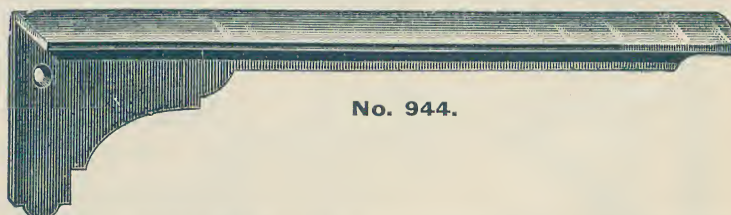
Price 14/3 16/9 19/- 24/6 29/6 per doz.

### Bronzed Brass Shelf Bracket.

Suitable for Standard Bars.

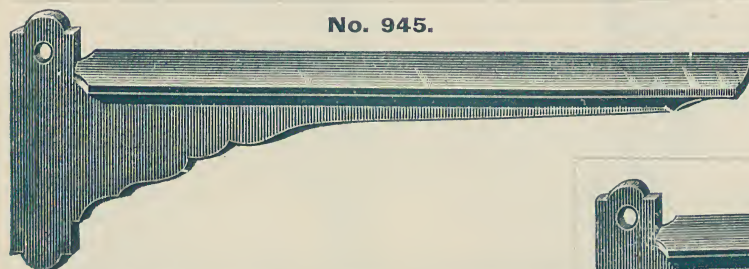
Sizes 4 5 6 8 10 12 14 16 18 in.

Price 6/6 9/- 11/6 15/- 21/- 23/- 30/- 34/- 37/- doz.



### No. 944.

### No. 945.



### No. 945—

Sizes 6 8 9 10 12 14 16 18 in.

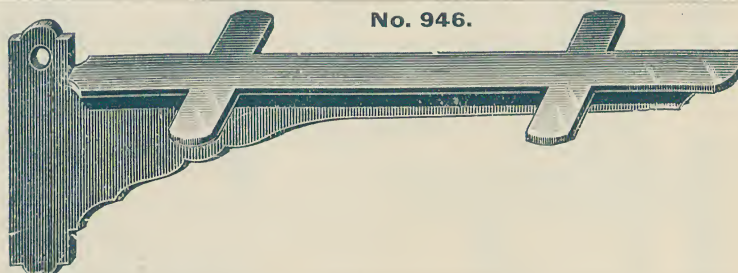
Price 17/6 21/- 24/6 27/- 30/- 33/6 38/- 46/6 doz.

### No. 945a. Lighter—

Sizes 6 8 9 10 12 14 16 18 in.

Price 12/6 17/- 23/- 28/- 31/6 35/- 42/- doz.

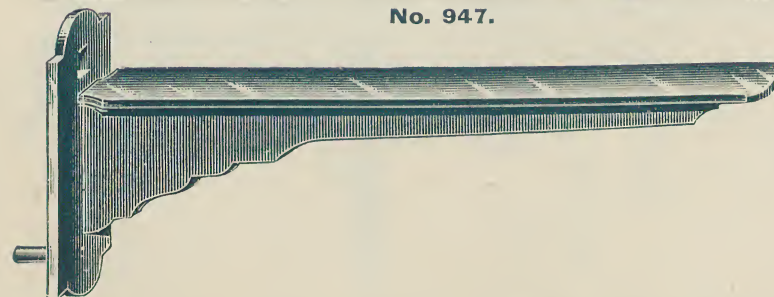
### No. 946.



Sizes 6 8 10 12 14 16 18 in.

Price 25/6 30/- 35/- 41/9 45/6 48/6 57/- doz.

### No. 947.



### No. 947—

Sizes 6 8 9 10 12 14 16 18 in.

Price 18/9 22/6 25/6 27/- 31/- 35/- 40/- 49/- doz.

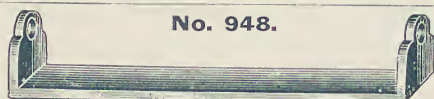
### No. 947a. Lighter—

Sizes 6 8 9 10 12 14 16 18 in.

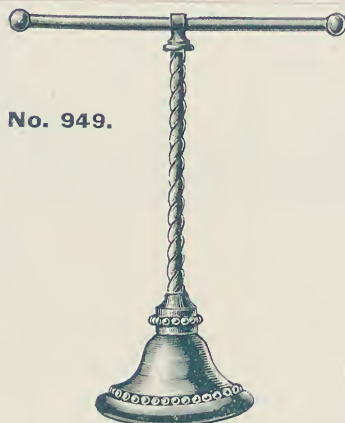
Price 12/6 15/6 — 19/6 23/6 31/- 35/- — doz.

Bronze Medal, 1884.—Gold Medal, 1890.



**BRASS SHELF BRACKETS, BONNET, LACE STANDS, Etc.****No. 948.****Brass Shelf Rest.**

To take Shelf. 4 5 6 7 8 9 10 11 12 in. wide.  
 Price 8/- 9/6 11/- 12/- 15/- 16/6 19/- 21/- 23/- doz.

**No. 949.****Lace Stand.**

China Base, Fixed Height.

Sizes 12 18 24 in.

Price 3/3 3/6 3/9 each.

**No. 950.****Umbrella Stand.**

Height 26 in.

2/9 each.

China Base.

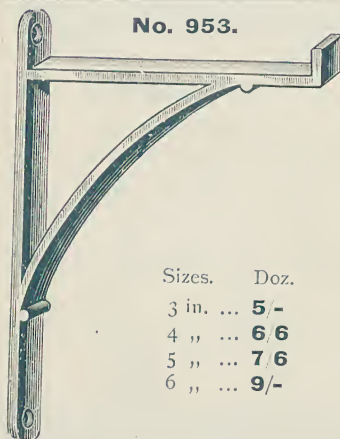
**No. 951.****Bonnet Stand.**

12 14 18 22 24 in.

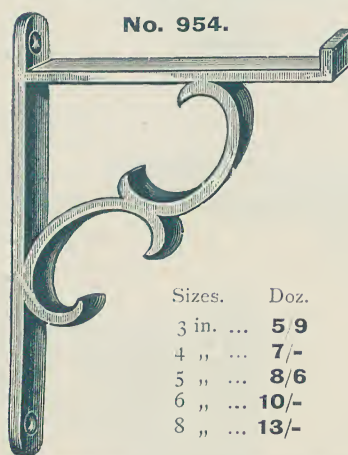
2/- 2/1 2/3 2/6 2/9 each.

 $\frac{3}{8}$  in. Stem. China Base.**No. 952.**

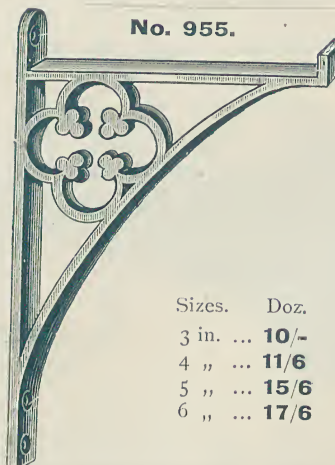
14 18 22 24 30 in.  
 3/- 3/3 3/6 3/9 4/- each.  
 China Base.

**No. 953.**

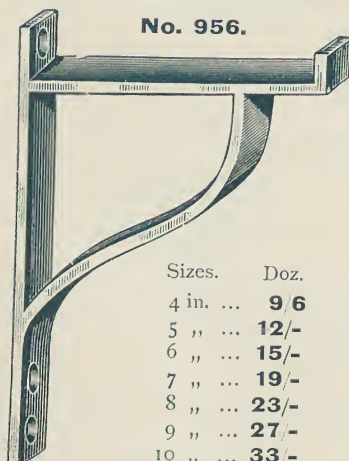
Sizes. Doz.  
 3 in. ... 5/-  
 4 " ... 6/6  
 5 " ... 7/6  
 6 " ... 9/-

**BRASS SHELF BRACKETS.****No. 954.**

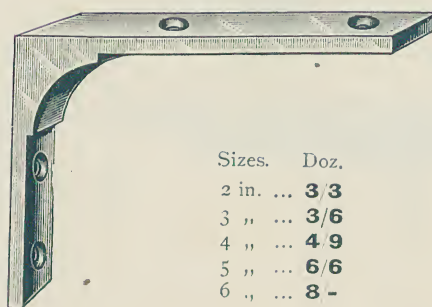
Sizes. Doz.  
 3 in. ... 5/9  
 4 " ... 7/-  
 5 " ... 8/6  
 6 " ... 10/-  
 8 " ... 13/-

**No. 955.**

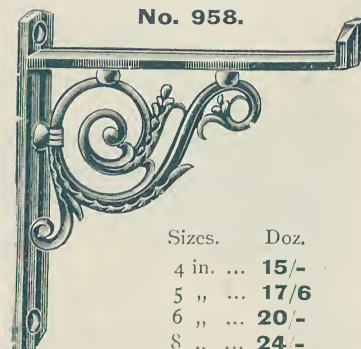
Sizes. Doz.  
 3 in. ... 10/-  
 4 " ... 11/6  
 5 " ... 15/6  
 6 " ... 17/6

**No. 956.**

Sizes. Doz.  
 4 in. ... 9/6  
 5 " ... 12/-  
 6 " ... 15/-  
 7 " ... 19/-  
 8 " ... 23/-  
 9 " ... 27/-  
 10 " ... 33/-

**No. 957.**

Sizes. Doz.  
 2 in. ... 3/3  
 3 " ... 3/6  
 4 " ... 4/9  
 5 " ... 6/6  
 6 " ... 8/-

**No. 958.**

Sizes. Doz.  
 4 in. ... 15/-  
 5 " ... 17/6  
 6 " ... 20/-  
 8 " ... 24/-

Awards for Excellence of Machines and Tools:

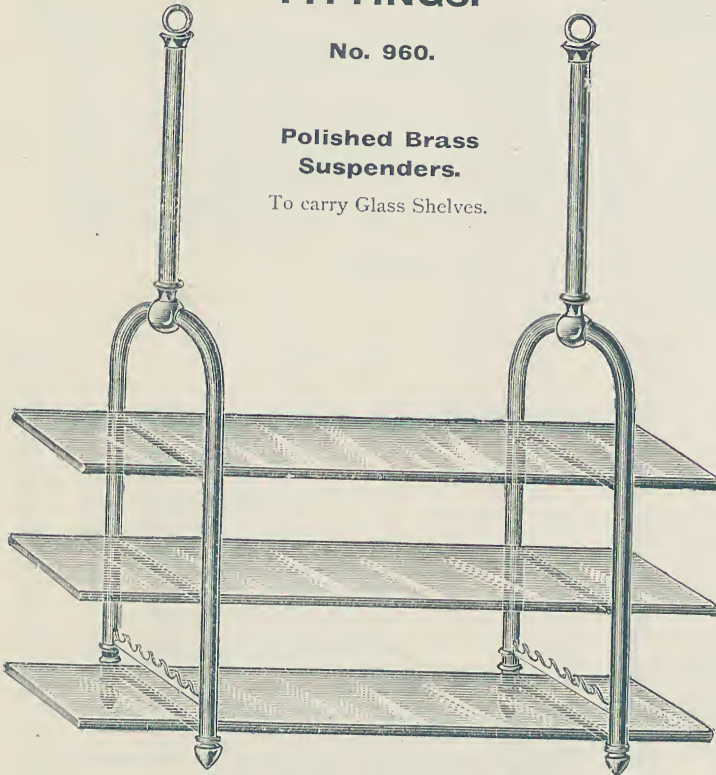


## SHOP WINDOW FITTINGS.

No. 960.

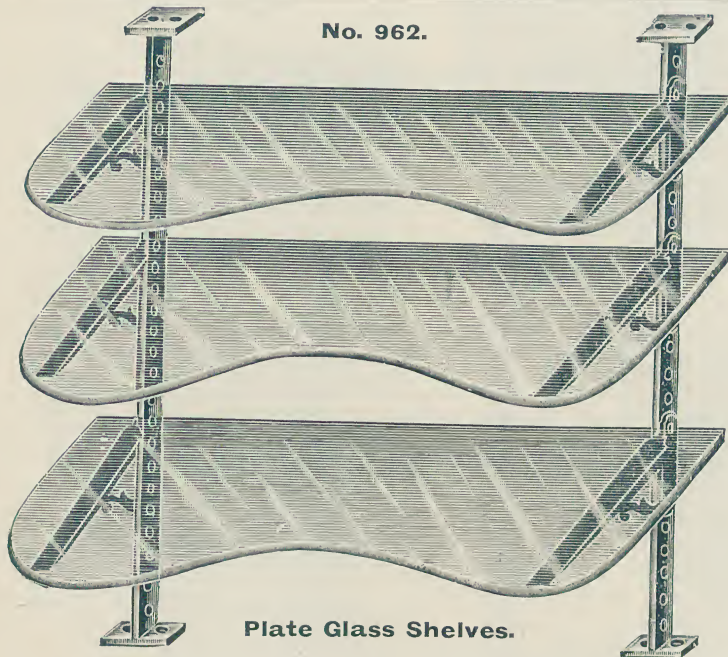
**Polished Brass  
Suspenders.**

To carry Glass Shelves.



To carry 2 Shelves, 8 in. wide, 30/- per pair.  
To " 3 " 8 in. " 36/-  
To carry 2 Shelves, and 1 Rack to carry Rods, 42/- per pair.  
Glass extra, 1/4-in. Polished Plate, Rounded edges.

Length	2 ft. 6 in.	3 ft.	3 ft. 6 in.	4 ft.	4 ft. 6 in.
Price	10/-	11/6	13/9	15/9	17/6 each.



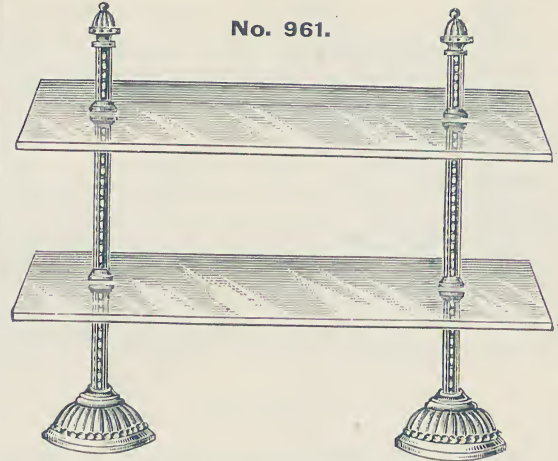
No. 962.

**Plate Glass Shelves.**

With Iron Standards and Bronzed Brass Brackets.  
These Shelves can be fixed any height on Standards.  
Shelves 36 x 12 in., 36 x 16 in., 36 x 20 in. Standards up to 5 ft., £5 : 7 : 6.  
Iron Standards, 1 1/2 x 3/8 in., Brass Brackets, all Bronzed to match above, 5 ft., charged 3/3  
per ft. extra for each Standard.

6 ft.

No. 961.

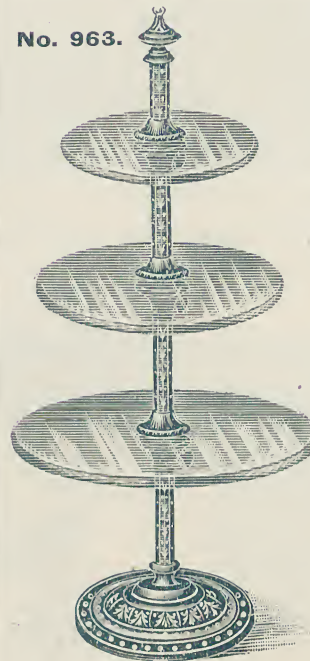


**Glass Shelves.**

24 x 6 in., 5/8 in. Standards, 17 in. high, 19/6 each.

This Glass is not polished edges. Stamped Brass Base.

No. 963.



**Pillar.**

27 in. high x 3/4 in., with Fancy Cast  
Brass Base, with 8, 10, and 12 in. Glass  
Circles, 31/- each.

No. 964.



**Tapped  
Bronzed Iron  
Bar.**

Sizes.	
1/2 x 1/2 in.	-11 ft.
3/4 x 1/2 in.	1/- "
1 x 1/2 in.	1/2 "
1 1/4 x 1/2 in.	1/2 "

No. 965.



To Suit Bar.

1/2 x 1/2 in.	3/- doz.
3/4 x 1/2 in.	3/3 "
1 x 1/2 in.	4/9 "
1 1/4 x 1/2 in.	5/6 "

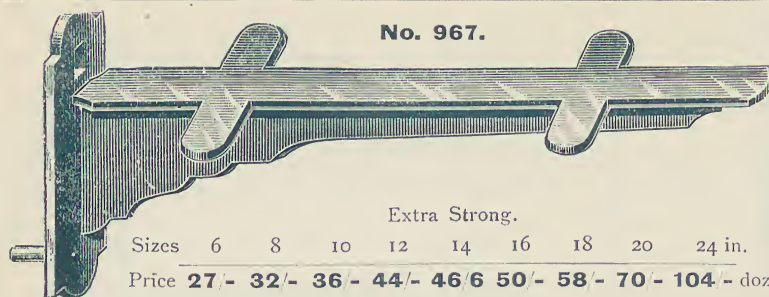
No. 966.



**Bar  
Screw.**

Per 3/9 gross.

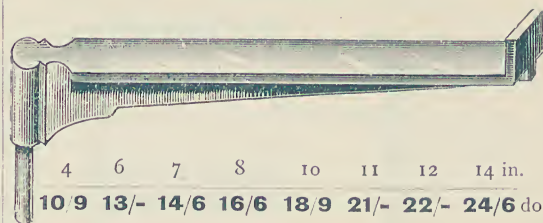




No. 967.

Extra Strong.

Sizes 6 8 10 12 14 16 18 20 24 in.  
 Price 27/- 32/- 36/- 44/- 46/6 50/- 58/- 70/- 104/- doz.

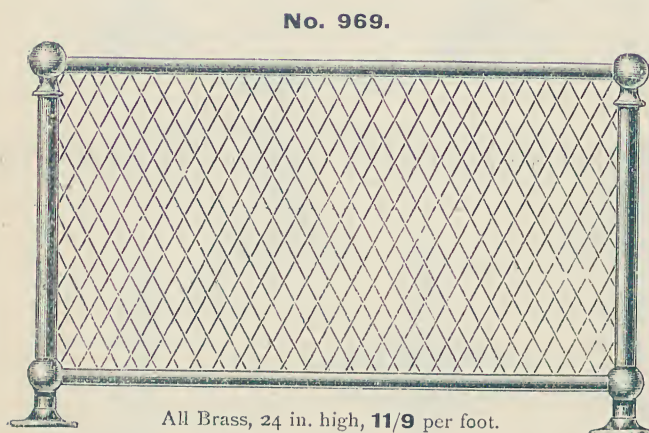


No. 968.

4 6 7 8 10 11 12 14 in.  
 10/9 13/- 14/6 16/6 18/9 21/- 22/- 24/6 doz.

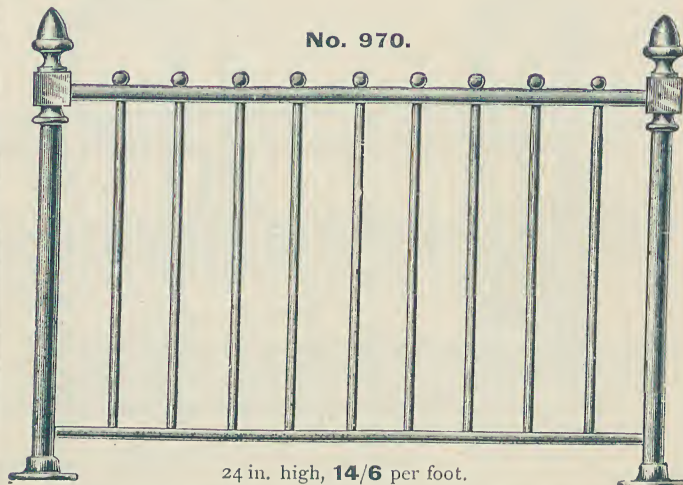
## WINDOW OR COUNTER GUARDS.

Suitable for Post Offices and other Establishments.



No. 969.

All Brass, 24 in. high, 11/9 per foot.  
 If with Hand Holes, 3/- each Hole extra.



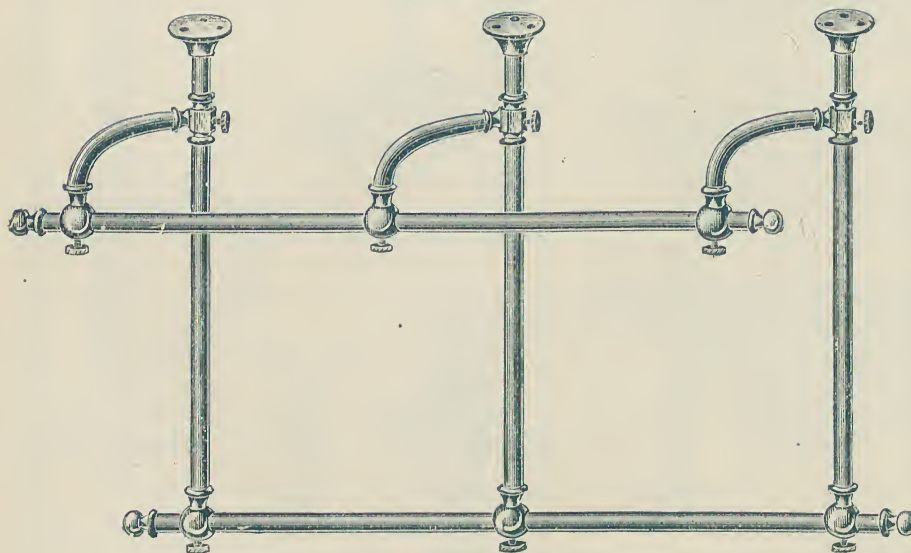
No. 970.

24 in. high, 14/6 per foot.



No. 971.

Brass Wire Panel Counter Guard, 6 in. high, suitable for Stationers, etc., 5/6 foot.



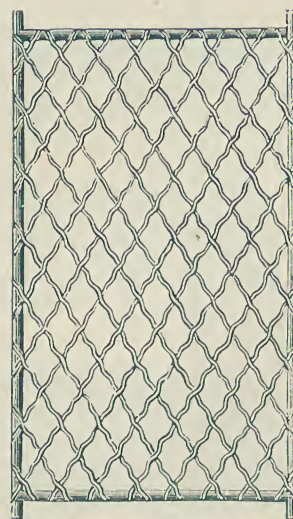
No. 972.

Brass Suspender.

Prices on receipt of Specification.

## LATTICE.

No. 973.



Brass Wire Lattice Work,

9 to 12 in. wide.

Prices on Application.

**Awards for Excellence of Machines and Tools:**



## POLISHED BRASS KICKING PLATES.

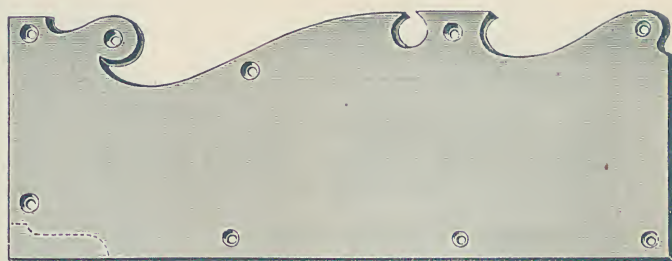
No. 976.



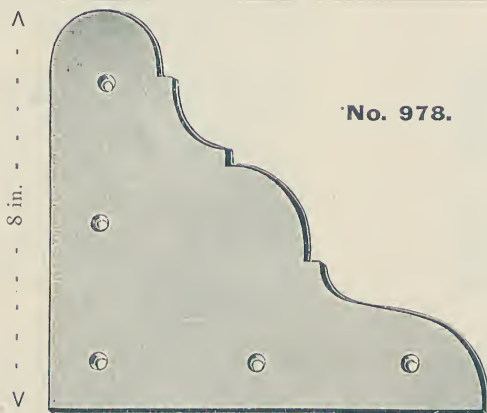
12-Wire Gauge Thick.

Sizes	20	24	28	32	36 in.
6 in. wide ...	11/-	13/-	15/-	17/-	19/- each.
7 " " ...	13 -	15 -	17 -	19 -	22 - "
8 " " ...	15 -	17 -	19 -	21 -	25 - "

No. 977.



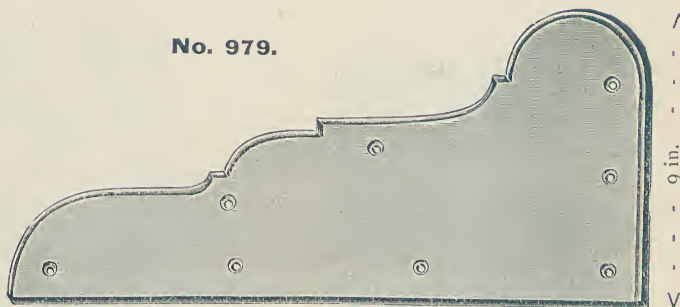
Size 28 x 10 in., price 60/- each



No. 978.

Size 8 x 9 in., 6/- each.

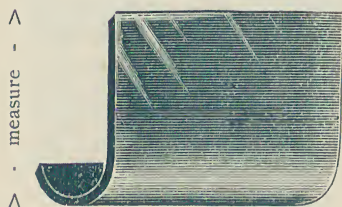
No. 979.



Sizes	20	24	28	32	36 x 9 in. wide.
Price	17/-	19/-	23/-	26/-	29/- each.

## BRASS STAIR TREADS.

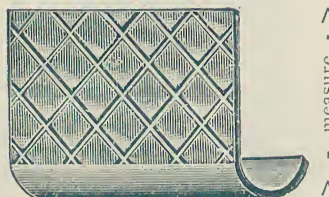
No. 980.



Polished Brass.

Sizes ...	1½	2	2½	3 in.
17-Wire Gauge	1/11	2/1	2/4	3/3 per foot.
16 " "	2/1	2/6	3/-	3/6 "

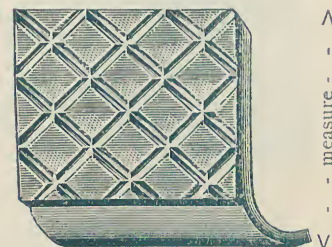
No. 981.



Machine Made.

Sizes	1½	2	2½	3 in.
Price	2/3	2/9	3/-	3/3 per foot.

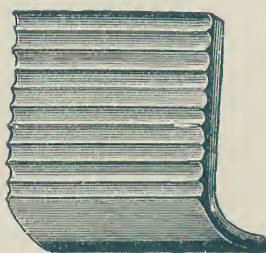
No. 982.



Cast Diamond Pattern.

Sizes	1½	2	2½	3 in.
Price	1/11	2/9	4/-	4/9 per foot.

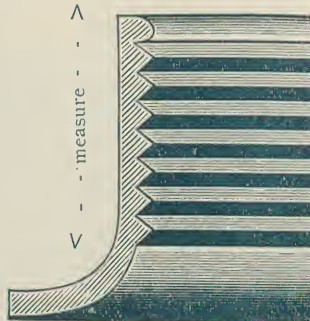
No. 983.



Rolled Reeded, very Strong.

Sizes ...	2	2½	3	3½ in.
Prices, Dead Dipped ...	2/3	2/6	3/3	3/9 per foot.

No. 984.



Machine Made.

Sizes	1½	1¾	2 in.
Price	2/9	3/-	3/3 per foot.

No. 985.

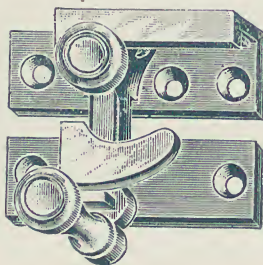


Brass Carpet Plates.

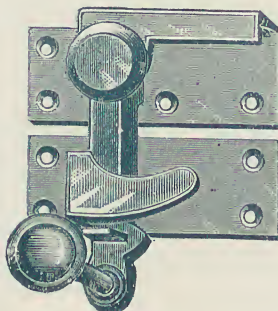
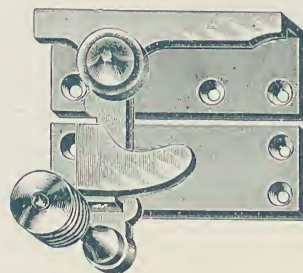
Sizes	1	1¼	1½	1¾	2	2½ in.
Price	-/8	1/-	1/1	1/4	1/8	1/10 per foot.

Bronze Medal, 1884.—Gold Medal, 1890.

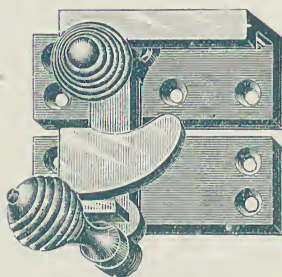


**BRASS SASH FASTENERS.****No. 989.**

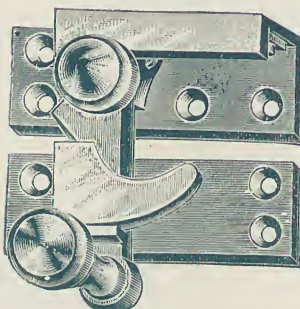
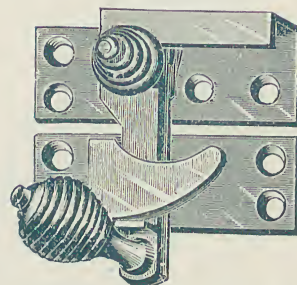
Sanded.

Size  $2\frac{1}{2}$  in. Price 7/- per doz.**No. 990.**Size  $2\frac{1}{2}$  in. Price 6/- per doz.  
Machine Made.**No. 991.**

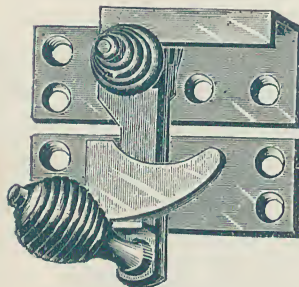
Sanded.

Size  $2\frac{3}{4}$  in. Price 11/- per doz.**No. 992.**

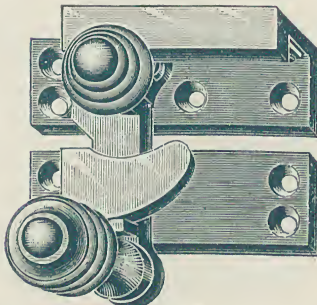
Strong. Sanded.

Size  $2\frac{1}{2}$  in. Price 10/- per doz.**No. 993.**Strong. Sanded. Hopkinson's Arm.  
Sizes  $2\frac{3}{4}$  3 in.  
Price 11/- 13/- per doz.**No. 994.**

Polished.

Size  $2\frac{3}{4}$  in. Price 12/- per doz.**No. 995.**Polished. Very Strong.  
Hopkinson's Arm.Sizes  $2\frac{3}{4}$  3 in.

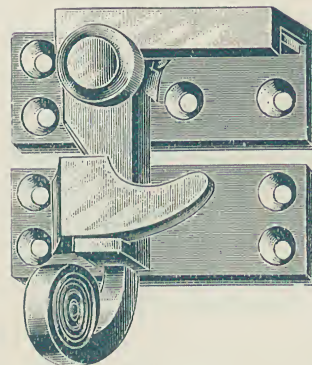
Price 15/- 16/- per doz.

**No. 996.**

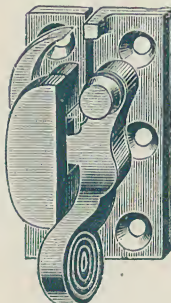
Very Strong. Polished.

Sizes  $2\frac{3}{4}$  3 in.

Price 18/- 20/- per doz.

**No. 997.**

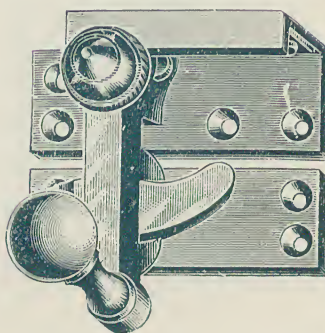
Polished.

Size  $2\frac{3}{4}$  in., 18/- doz.; 3 in., 20/- doz.**No. 998.**

Polished.

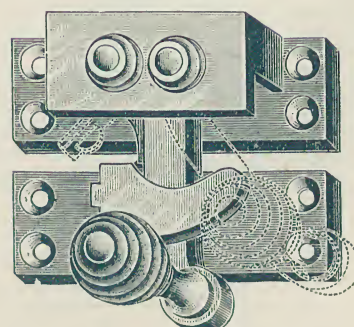
Sizes  $2\frac{1}{2}$   $2\frac{3}{4}$  3 in.

Price 11/- 14/- 18/- per doz.

**No. 999.**

Polished.

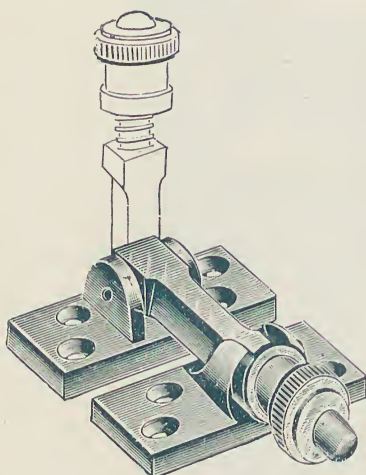
Size 3 in. Price 20/- per doz.

**No. 1000.**Very strong. Secure. Polished.  
Size  $3\frac{1}{4}$  in., 3 9 each;  $3\frac{1}{2}$  in., 4 6 each.**Awards for Excellence of Machines and Tools :**



## BRASS SASH FASTENERS, PICTURE CHAIN, Etc.

No. 1001.

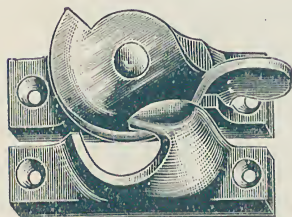


Polished.

No. 1001. Light 15/6 doz.

No. 1002. Strong 23/- "

No. 1005.



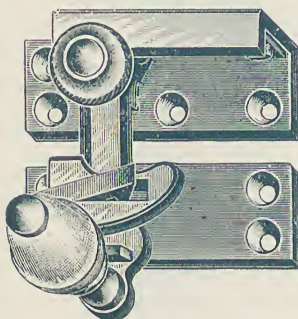
Fitch's Patent.

No. 1005. Bronzed Iron, 3/3 per doz.

No. 1006. Electro Brassed, 4/- "

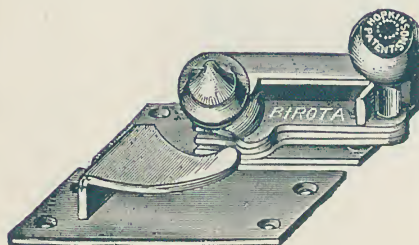
No. 1007. Brass 11/- "

No. 1003.



Sizes 2 3/4 — 3 in.  
Price 15/- — 16/- doz.

No. 1008.

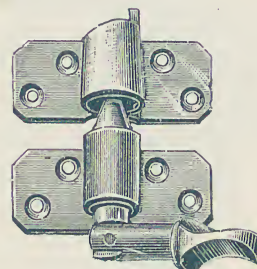


The "Birota."

Sizes 2 3/4 — 3 in.  
Price 13/6 — 17/- per doz.

China Knob, 1/3 doz. extra.

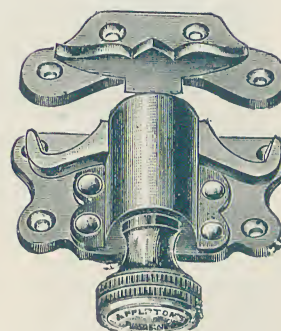
No. 1004.



The "Binder."

Strong, 19/- per doz.

No. 1009.



Polished.

The "Grappeler."

Per 23/6 doz.

No. 1010.

Jack Chain.

	W.G.	Bright Iron.	Gal- vanised.	Brass.
20		-/11	1/1	1/6
19		-/11	1/1	1/11
18		1/-	1/3	2/1
17		1/2	1/4	2/3
16		1/3	1/5	2/9
15		1/4	1/6	3/2
14		1/4	1/6	4/3
13		1/6	1/8	4/9
12		1/7	1/9	6/6
10		2/-	2/2	9/3
9		2/3	2/6	13/6
8		3/-	3/6	16/-

12 Single.

per doz. yards.

No. 1011.

Brass Balance Weight  
Chain.

Full Size.

No.	Doz. Yds.
1011. ... ..	8/-
1012. Smaller...	7/9
1013. Smaller...	6/9
1014. Stronger...	10/6
1015. Larger ...	12/6
1016. Larger ...	18/6

No. 1017.

Brass Picture  
Chain.

No. 1017—

Per 12/- doz. yards.

No. 1018. Smaller—

Per 10/- doz. yards.

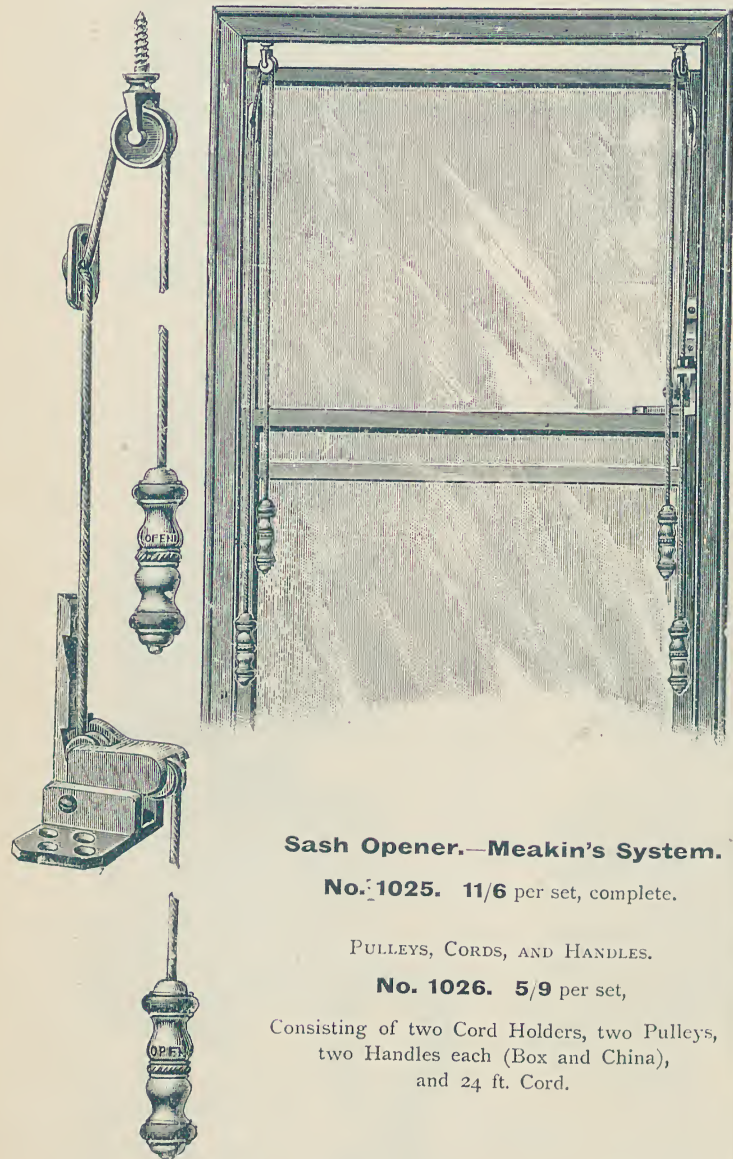
No. 1019. Larger—

Per 13/- doz. yards.

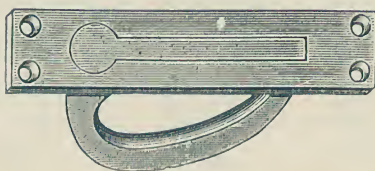
We keep a Large and Varied Stock of Double Jack Chain, in Iron, Galvanized, and Brass, also Brass Lamp and Picture Chain, both in Stamped and Brazed.

Bronze Medal, 1884.—Gold Medal, 1890.

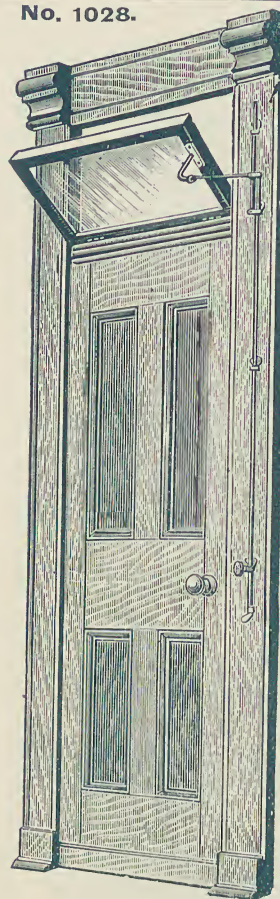


**MEAKIN'S SASH FASTENER, TRANSOM OPENERS.****No. 1025.****Sash Opener.—Meakin's System.****No. 1025.** 11/6 per set, complete.

PULLEYS, CORDS, AND HANDLES.

**No. 1026.** 5/9 per set,Consisting of two Cord Holders, two Pulleys,  
two Handles each (Box and China),  
and 24 ft. Cord.**No. 1034.****Brass Sliding Door Handle.**

Size 5 in., 2/- each.

**No. 1028.**

			3	3½	4	5	6 feet.
<b>No. 1028.</b>	Bronzed Iron	$\frac{1}{4}$ rod	1/8	1/9	1/10	2/-	2/3 each.
" 1029.	" "	$\frac{5}{16}$ "	2/6	2/9	3/-	3/3	3/6 "
" 1030.	" "	$\frac{3}{8}$ "	3/-	3/3	3/6	4/-	4/6 "
" 1031.	Polished Brass	$\frac{1}{4}$ "	4/9	5/-	5/3	5/9	6/- "
" 1032.	" "	$\frac{5}{16}$ "	6/-	6/6	6/9	7/-	7/6 "
" 1033.	" "	$\frac{3}{8}$ "	8/-	8/3	8/6	9-	10/- "

In ordering please say if Transoms are hinged top or bottom.

**No. 1035.**Best Finish.  
One-sixth size.**The Club Hat and Coat Hook.**

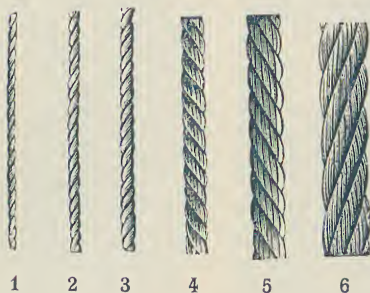
Price, Polished 14/6 each.

**Awards for Excellence of Machines and Tools:**



## PICTURE WIRE AND WIRE SASH LINES.

**No. 1036.**



**Best Picture Wire.**

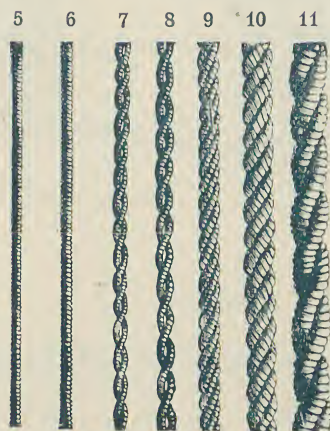
Silver or Gilt, in 50 or 100 ft. lengths.

No.	1	2	3	4	5	6
Working Load	11	22	30	35	50	80 lb.
Price	3/6	7/3	10/6	17/-	37/-	62/- per 100 ft.

**No. 1037. CHEAP QUALITY.**

No.	1	2	3	4	5
Price	1/1	1/10	3/6	8/6	15/- per 100 ft.

**No. 1040.**

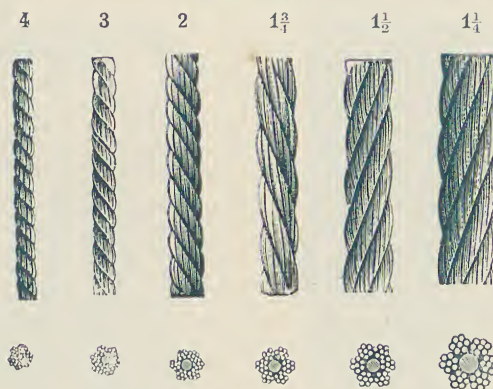


Method  
of  
fixing.

**Hookham's Picture Wire.**

No.	5	6	7	8	9	10	11
For Pictures up to	20 lb.	30 "	40 "	60 "	80 "	150 "	300 "
Price	4/-	5/9	10/-	13/9	23/-	40/-	69/- per 100 ft.

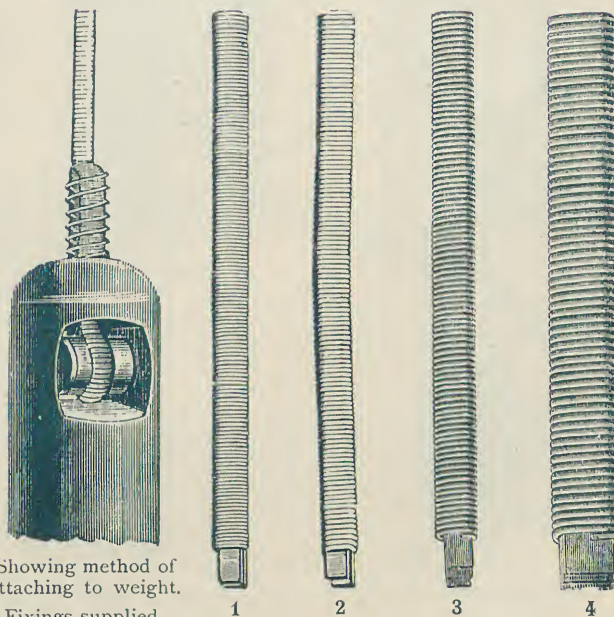
**No. 1039.**



**Galvanized and Copper Sash Lines.**

No.	Working Load.	Galvanized.	Copper.
4	34 lb.	7/-	10/- per 100 ft.
3	50 lb.	7/9	12/- "
2	75 lb.	9/-	14/6 "
1 3/4	112 lb.	11/-	25/- "
1 1/2	168 lb.	13/-	29/- "
1 1/4	224 lb.	15/-	40/- "

**No. 1041.**



Showing method of  
attaching to weight.

Fixings supplied.

**Patent Steel Ribbon Sash Line.**

No.	1	2	3	4
For Sashes up to	40	75	150	— lb.
Price	26/-	39/-	52/-	88/- per 100 ft.

**No. 1042.**



**Copper Sash Chain.**

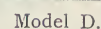
No.	3	4	5	6	7	8
Price	1/6	1/8	1/10	2/3	4/-	4/9 per yard.

**No. 1043. HOOKS AND PLATES FOR DITTO.**

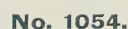
No.	3	4	5	6	7
Price	1/3	1/6	1/6	1/9	2/3 per set.



(Leggott's System.)



Malleable Iron, ...	2/-	each.
Brass, Dead Dipped	3/-	„
Gun Metal ... ..	4/6	„



<b>No. 1050.</b>	Malleable Iron	...	...	...	...	<b>1/6</b>	each.
<b>„ 1052.</b>	Brass, Dead Dipped	...	...	...	...	<b>2/-</b>	„
<b>„ 1053.</b>	Gun Metal	...	...	...	...	<b>2 3</b>	„

Prices for Cords for **Nos. 1054-5-6-7—**

Lengths up to 4 6 8 10 12 14 16 18 20 ft.

---

**-5 -6 -7 -8 1/- 1 2 1 4 1 6 1 9** each.

Lengths up to	6	8	10	12	14	16	18	20 ft.
	<b>-8</b>	<b>-9</b>	<b>-10</b>	<b>1/1</b>	<b>1/3</b>	<b>1/6</b>	<b>1/8</b>	<b>1/10</b> each

Opens 10 in. for Fanlights up to 2 ft. square.

<b>No. 1054.</b>	Malleable Iron, Gun Metal Wheel ...	<b>3/3</b> each.
<b>" 1055.</b>	Gun Metal ... ..	<b>4 9</b> "

Opens 15 in. for Fanlights up to 3 ft. square.

<b>No. 1056.</b>	Malleable Iron, with Gun Metal Wheel ...	<b>4/3</b>	each.
<b>" 1057.</b>	Gun Metal ... ..	<b>6/6</b>	"

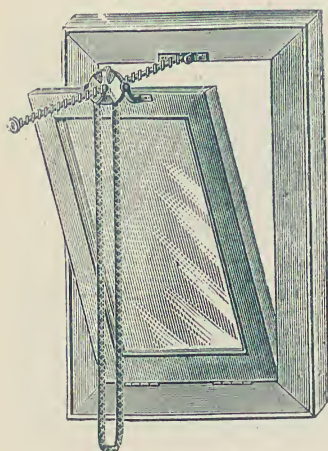
Opens 18 in. for Fanlights up to 4 ft. square.

**No. 1058.** Malleable Iron, with Gun Metal Wheel ... **8/6** each.  
**„ 1059.** Gun Metal ... .. **17/6** ..

### Awards for Excellence of Machines and Tools:

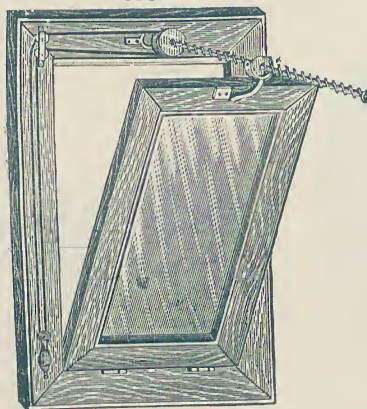


## No. 1060.



To open inwards.

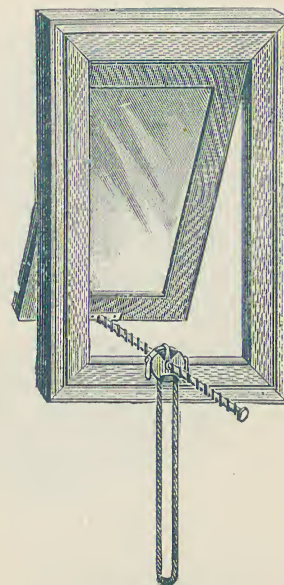
No. 1064.



To open inwards.

Pulleys only for No. 1064	...	...	<b>16/-</b>	doz.
Iron Handles for ditto, Large	...	...	<b>12/-</b>	"
" " " Small	...	...	<b>8/-</b>	"

No. 1061.



To open outwards.

**No. 1062** is Hinged at Bottom.  
 " **1063** " " Side.

**Endless Cords** for above, extra.

3	6	9	12	15	18	22 $\frac{1}{2}$	24 ft.
-6	-9	1-	1/2	1/6	1/8	2-	2/3

Cords measured double.

			Nos. 1060, 1061, 1062.		No. 1064.	
			Brass Wheel. Iron Fittings.	All Brass.	Brass Wheel. Iron Fittings.	All Brass.
1/2	in. Screw	× 12 in. long	3/9	4 6	6/-	7 -
1/2	" "	× 15 " "	4/-	5-	6/6	7/6
1/2	" "	× 18 " "	5/9	7-	8-	9-
1/2	" "	× 21 " "	6 6	7/9	8 6	10 -
3/4	" "	× 21 " "	11/6	14 -	14/6	16 -
1	" "	× 24 " "	16/-	19/-	21/-	24 -

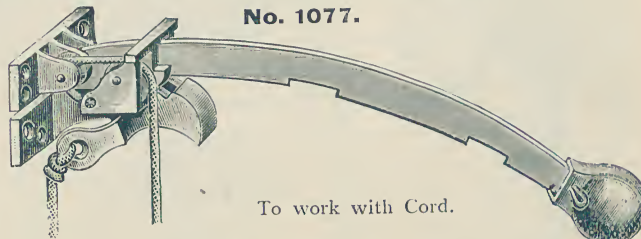
## No. 1065.



For Windows Opening Inwards.  
To work with Sash Stick.

### For Windows Opening Inwards—

No. 1077.



To work with Cord.

						9	12	14	16	18	25 in.
For Windows Opening Inwards—											
<b>No. 1065.</b>	Bronzed Iron, to work with Sash Stick	...	...	...	...	1/-	1/1	1/3	1/7	1/10	2/8 each.
" <b>1066.</b>	Brass to work with Sash Stick	...	...	...	...	3/9	4/-	4/6	6/3	6/9	7/3 "
" <b>1077.</b>	Bronzed Iron, to work with Cords	...	...	...	...	1/1	1/3	1/6	1/9	2/3	2/9 "
" <b>1078.</b>	Brass " "	...	...	...	...	4/3	4/9	5/-	7/-	7/6	8/3 "
For Lantern Lights—											
		12	15	18 in.		12	15	18 in.			
<b>No. 1079.</b>	Bronzed Iron, -/11 1/2 1/6 each.	<b>No. 1080.</b> Brass, 1/9 2/4 2/8 each.									
For Pivot Sashes—											
<b>No. 1081.</b>	Bronzed Iron, to work with Stick	...	...	...	...	1/-	1/1	—	1/7	1/10	2/8 "
" <b>1082.</b>	Brass " " "	...	...	...	...	3/9	4/-	—	6/3	6/9	7/3 "
" <b>1083.</b>	Bronzed Iron " " Cords	...	...	...	...	1/1	1/3	—	1/9	2/3	2/9 "
" <b>1083A.</b>	Brass " " "	...	...	...	...	4/3	4/9	—	7/-	7/6	8/3 "
For Skylights, one size made 19 in.—											
<b>No. 1084.</b>	Bronzed Iron, 4/- each.	<b>No. 1085.</b> Brass, 9/3 each.									
To fix on Side—											
<b>No. 1086.</b>	Bronzed Iron, to work with Cords	...	...	...	...	1/1	1/3	—	1/9	2/3	2/9 "
" <b>1087.</b>	Brass " " "	...	...	...	...	4/3	4/9	—	7/-	7/6	8/3 "
To Open Outwards, Hinged at Bottom—											
<b>No. 1088.</b>	Bronzed Iron, to work with Cords	...	...	...	...	1/1	1/3	—	1/9	2/3	2/9 "
" <b>1089.</b>	Brass " " "	...	...	...	...	4/3	4/9	—	7/-	7/6	8/3 "
To Open Outwards, Hinged at Top—											
<b>No. 1090.</b>	Bronzed Iron, to work with Cords	...	...	...	...	1/1	1/3	—	1/9	2/3	2/9 "
" <b>1091.</b>	Brass " " "	...	...	...	...	4/3	4/9	—	7/-	7/6	8/3 "

Bronze Medal, 1884.—Gold Medal, 1890.



**SKYLIGHT OPENERS, FACILE FANLIGHT OPENERS.****No. 1093.**

Opens 10 in., suitable for Skylights up to  
2 ft. x 1 ft. 3 in.

**No. 1093.** Malleable Iron 4/- each.

**No. 1094.** Gun Metal, polished 6/- „

Opens 15 in., suitable for Skylights up to 3 ft. x 2 ft.

**No. 1095.** Malleable Iron 6/- each.

**No. 1096.** Gun Metal, polished 9/- „

Opens 18 in., suitable for Skylights up to 6 ft. x 4 ft.

**No. 1097.** Malleable Iron 10/6 each.

**No. 1098.** Gun Metal, polished 24/- „

**Endless Cords.**

**No. 1099.** For Nos. 1093-4-5-6—

Length up to 6 8 10 12 14 16 18 ft.

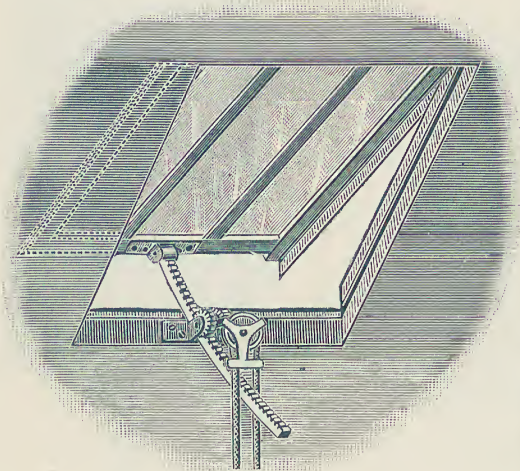
-/8 -/10 1/- 1/2 1/5 1/8 1/8 each.

**No. 1100.** For Nos. 1097-8—

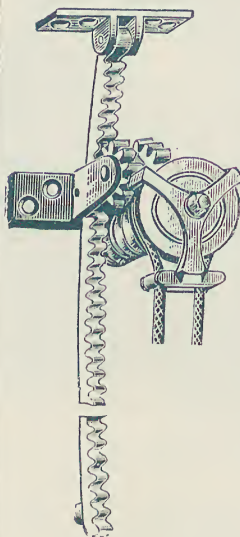
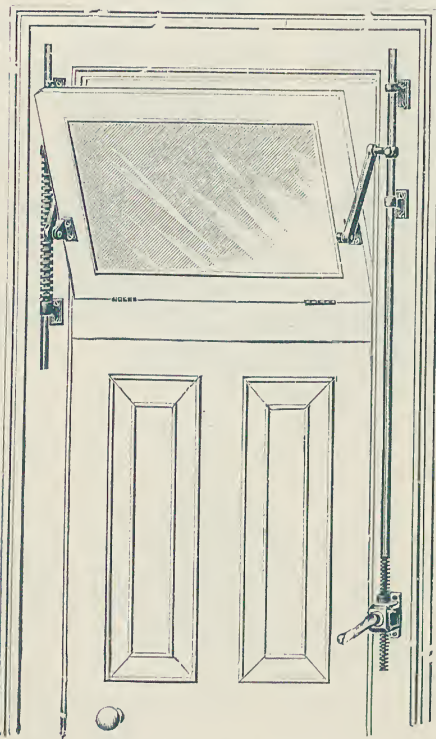
Length up to 6 8 10 12 14 16 18 ft.

-/11 1/1 1/3 1/5 1/8 1/10 2/- each.

All above lengths are measured double.



Showing Opener fixed to Skylight.

**No. 1101.****No. 1105.**

Stay Arm.

Opening inwards, hinged at bottom (showing Stay Arm, No. 1105, in use).

All the Vertical Rods are made from Smooth Steel.

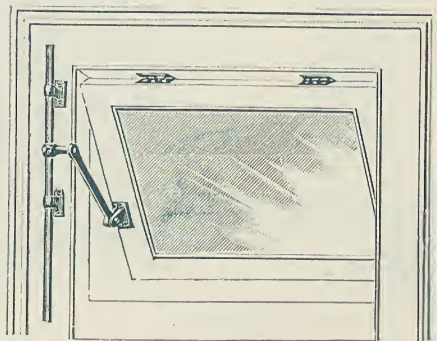
With Iron or Polished Gun Metal Fittings.

		Iron.	Gun Metal Polished.
<b>No. 1101.</b>	For 1 Light, opening inwards, hinged at Bottom	14/-	22/-
<b>No. 1102.</b>	For 2 Lights, opening inwards, hinged at Bottom	18/-	30/-
<b>No. 1103.</b>	For 1 Light, opening outwards, hinged at Top or on Pivots	14/-	22/-
<b>No. 1104.</b>	For 2 Lights, opening outwards, hinged at Top or on Pivots	18/-	30/-

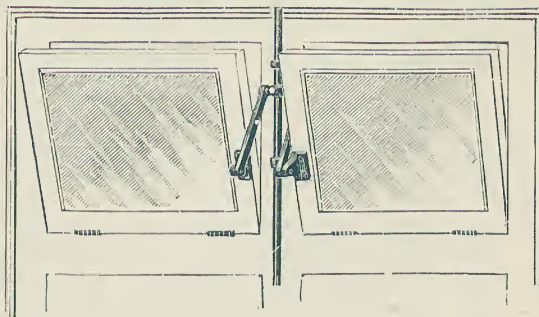
Above are priced with 6 ft. Vertical Rod; if Longer,  
6d. per ft. extra is charged.

**No. 1105.** Stay Arm, with Spring, to be used at side of  
Heavy Lights... 5/- 9/-

When the Light is Heavy, the Stay Arm is recommended as a valuable support.

**No. 1103.**

Opening Outwards, Hinged at Top.

**No. 1102.**

Opening Inwards, Hinged at Bottom

**Awards for Excellence of Machines and Tools :**



## FANLIGHT OPENERS AND VENTILATING GEAR.

Openers for Fanlights and Lights in Lanterns, etc., to work with cord.

No. 1106.

We shall be pleased to Estimate for any kind of Openers upon receipt of Specification, giving full particulars.

Made in Malleable Iron with Gun Metal working parts.

In ordering these Openers the following particulars should be given:—

1. The Number and Size of Lights.
2. How Lights are hinged—top, or bottom, or on Centres.
3. If Lights are in recess, depth must be given.
4. Length over all the Lights for Horizontal Bar.
5. Height from floor to bottom of Lights.
6. If Lights are in Lantern, a sketch of section of wall and ceiling, with dimensions of each up to Light should be given, if Pulleys are required.



The engraving shows Opener fixed to four Lights, Hinged at Top.

No. 1110.  
Spring Lever.



15/- each.

### GREENHOUSE VENTILATING GEAR.

No. 1111. No. 1112.

Tapped to suit  $\frac{3}{8}$  Tube.



Brass Connecting Jaws.

1/3 each.



1/6 each.

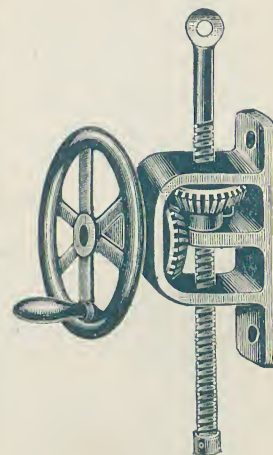
No. 1113.  
Collar.



-/8 each.

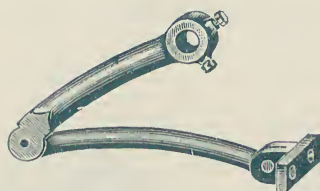
No. 1114.

Strong Bevel Wheel  
Gear for Heavy Top  
Lights.



24/- each.

No. 1115.  
Jointed Arm.



16 in. full length	...	...	...	1/8
18 in. full length	...	...	...	1/10
20 in. full length	...	...	...	2/-
22 in. full length	...	...	...	2/3

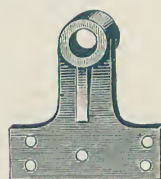
No. 1116.  
Carrier.



Projects 3 in. to centre.

-/10 each.

No. 1117.  
Plate Carrier.



Projects 3 in. to centre.

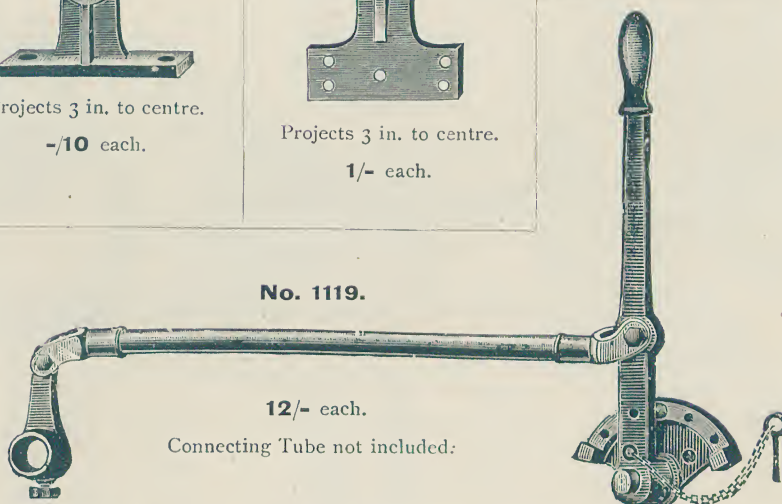
1/- each.

No. 1118.  
Strong Lever.



12 in.	...	...	...	...	1/6
15 in.	...	...	...	...	1/8
18 in.	...	...	...	...	1/10

No. 1119.

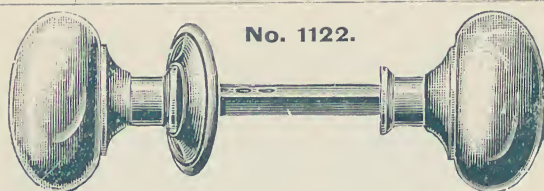


12/- each.

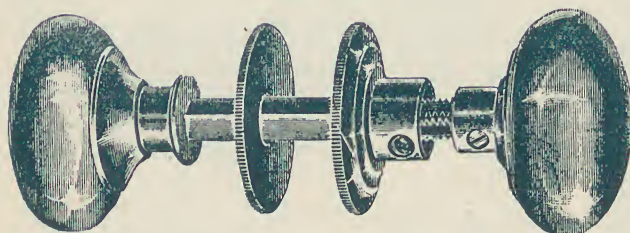
Connecting Tube not included:

Bronze Medal, 1884.—Gold Medal, 1890.

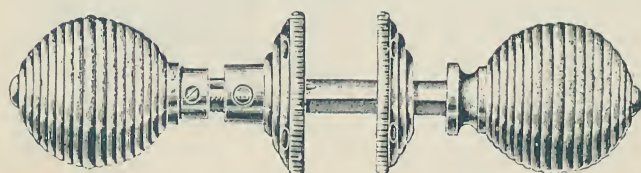


**BRASS LOCK FURNITURE.****No. 1122.****Brass Latch Furniture.**

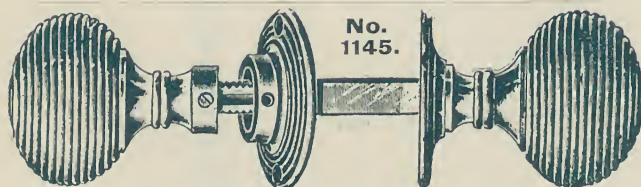
	Sizes ...	4	5 in.	
<b>No. 1122.</b>	Wilkes' Spindle ...	4/6	5/3	per doz. sets.
" <b>1123.</b>	Drilled through ...	4/9	5/6	"
" <b>1125.</b>	Cranked, Wilkes' Spindle	14/-	15 -	"

**No. 1131.****Mortise Furniture** (shown as Mace's).

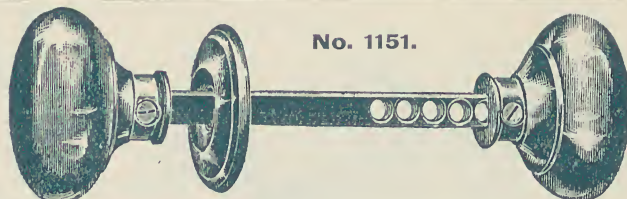
	Sizes ...	6	7	8 in.	
<b>No. 1126.</b>	Wilkes' Spindle ...	12 -	14 -	—	doz. sets
" <b>1127.</b>	" Cast Roses ...	13/-	15/-	—	"
" <b>1128.</b>	Drilled through ...	13/-	15/-	—	"
" <b>1129.</b>	" Cast Roses ...	15/-	17/-	—	"
" <b>1130.</b>	Mace's Spindle ...	17/-	18/-	20 -	"
" <b>1131.</b>	" Strong ...	20/-	22-	25-	"
" <b>1132.</b>	Pitt's Spindle (Cast) Roses, 2-in., 31/-; 2½-in., 38/-				"

**No. 1135.**

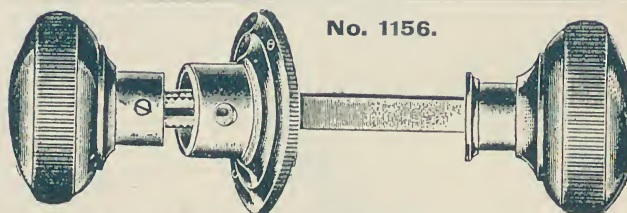
<b>No. 1133.</b>	1½-in. Mace's Stamped Reeded Brass Mortise Furniture ...	15/9	doz. sets.
" <b>1134.</b>	Ditto ditto Rim ...	13/6	"
" <b>1135.</b>	2-in. Mace's Machine made Reeded Brass Rim Furniture ...	21/6	"
" <b>1136.</b>	2 " Wilkes' ditto ditto ...	16/6	"
" <b>1137.</b>	2 " Mace's Mortise ditto ...	28/-	"
" <b>1138.</b>	2 " Wilkes' ditto ditto ...	22/6	"
" <b>1139.</b>	2 " Pitt's Fast Rose ditto ...	28/-	"

**No. 1145.****Cast Brass Reeded Furniture.**

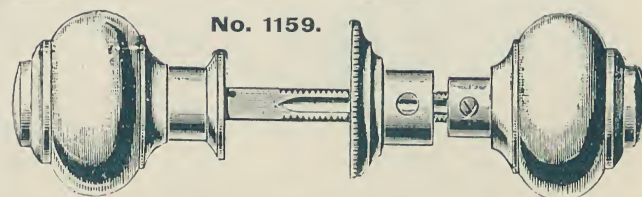
	Sizes ...	1	2	2½ in.	
<b>No. 1141.</b>	Latch, Mace's Spindle ...	27/-	—	—	doz. sets.
" <b>1142.</b>	Rim, Wilkes' " ...	34/-	42/-	—	"
" <b>1143.</b>	" Mace's " ...	36/-	44/-	—	"
" <b>1144.</b>	Mortise, Wilkes' Spindle ...	38/-	48/-	—	"
" <b>1145.</b>	" Mace's " ...	40/-	50 -	—	"
" <b>1146.</b>	Pitt's, Fast Rose ...	48 -	60/-	—	"

**No. 1151.****Brass Rim Furniture** (shown as Drilled through).

	Sizes ...	5	6	7	8 in.	
<b>No. 1149.</b>	Wilkes' Spindle ...	6/6	7/-	8/-	—	doz. sets.
" <b>1150.</b>	" Cast Roses ...	—	8/-	9/-	—	"
" <b>1151.</b>	Drilled through ...	7/-	7/6	8/-	—	"
" <b>1152.</b>	" Cast Roses ...	—	9/-	10/-	—	"
" <b>1153.</b>	Mace's Spindle ...	10/-	11/-	13/-	15/-	"
" <b>1154.</b>	" Strong ...	—	14/-	16/-	18/-	"

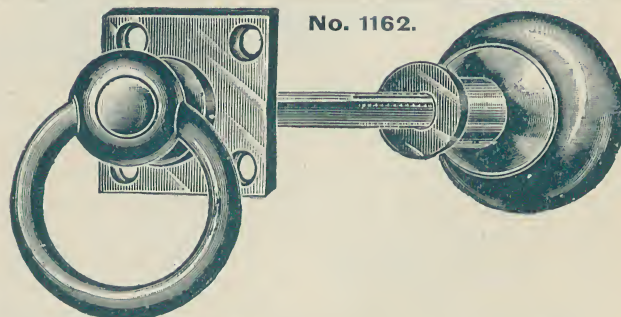
**No. 1156.****Milled Edge Lock Furniture** (shown as Mace's).

	Sizes ...	6	7	8 in.	
<b>No. 1156.</b>	Mace's Spindle, Rim	18/-	20/-	24/-	per doz. sets.
" <b>1157.</b>	" " Mortise	24/-	25/-	28/-	"

**No. 1159.****Cushion Top Furniture**

(As used by London School Board).

<b>No. 1159.</b>	Rim, Mace's Spindle ...	2½ in.,	2/6	per set.
" <b>1160.</b>	Mortise ...	2¼ "	3/3	"

**No. 1162.****Brass Ring and Knob Furniture.**

1½ × 2 in.

<b>No. 1162.</b>	Rim, 2 - ;	<b>No. 1163.</b>	Mortise, 2/6	per set.
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**Double Ring Furniture.**

2 × 5/16 in. Ring.

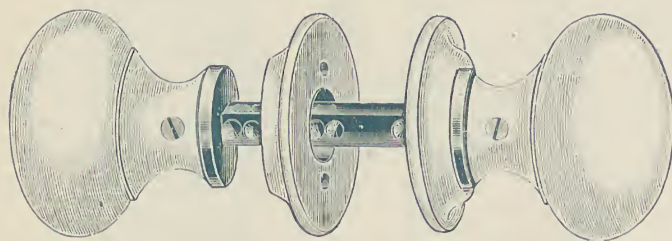
<b>No. 1164.</b>	Rim, 2 6 ;	<b>No. 1165.</b>	Mortise, 3/3	per set.
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**Awards for Excellence of Machines and Tools :**



## CHINA DOOR FURNITURE.

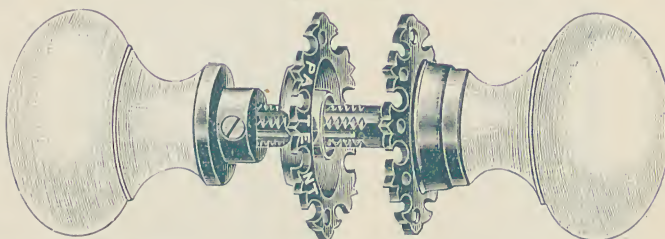
No. 1170.



	White.	Cream.	Black.	White and Gold.	Cream and Gold.	Black and Gold.
No. 1170. Wilkes' Spindle as drawn	14/6	15/6	16/-	23/-	24/-	25/-
" 1171. Mace's China Rose	16/-	17/-	18/-	25/-	25/6	26/-
" 1172. Latch Furniture Wilkes' Spindle	10/6	11/-	11/6	16/-	16/6	17/-

Per dozen sets.

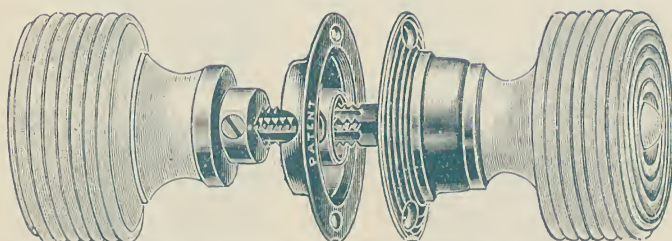
No. 1174.



	White.	Cream.	Black.	White and Gold.	Cream and Gold.	Black and Gold.
No. 1173. Wilkes' Spindle with Mace's Brass Rose	22/-	23/-	23/9	29/-	29/9	31/-
" 1174. Mace's Spindle as drawn	23/-	23/9	24/-	29/6	30/-	31/6

Per dozen sets.

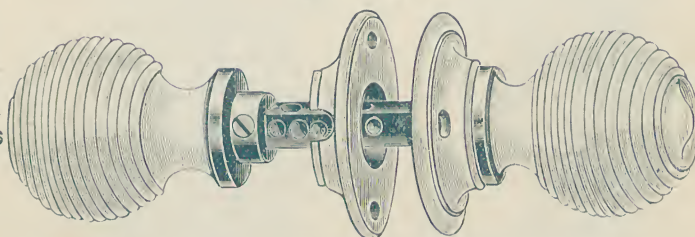
No. 1177.



	White.	Cream.	Black.	White and Gold.	Cream and Gold.	Black and Gold.
No. 1175. Wilkes' Spindle Mace's China Rose	20/-	21/-	21/6	27/6	28/6	29/-
" 1176. Mace's Spindle China Rose	21/-	22/-	22/6	28/6	29/6	30/-
" 1177. Mace's Spindle Brass Roses as drawn	24/6	25/6	26/-	31/6	32/-	32/6

Per dozen sets.

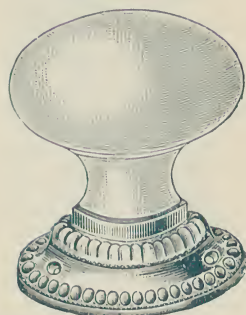
No. 1179.



	White.	Cream.	Black.	White and Gold.	Cream and Gold.	Black and Gold.
No. 1179. Wilkes' Spindle Mace's China Rose as drawn	20/-	21/-	21/6	27/6	28/6	29/-
" 1180. Mace's Spindle Brass Roses as No. 1177.	24/6	25/6	26/-	31/6	32/-	32/6

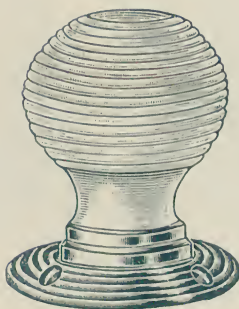
Per dozen sets.

No. 1181.



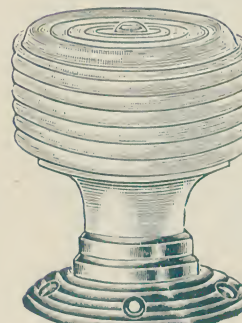
PITT'S  
CHINA  
MORTISE  
FURNITURE.

No. 1182.



PITT'S  
CHINA  
MORTISE  
FURNITURE.

No. 1183.

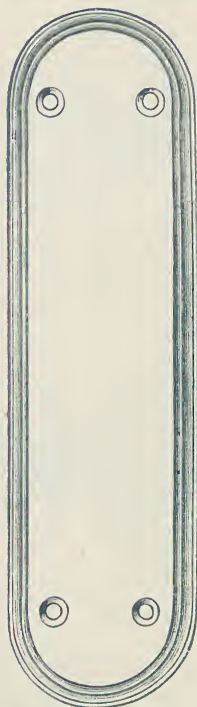
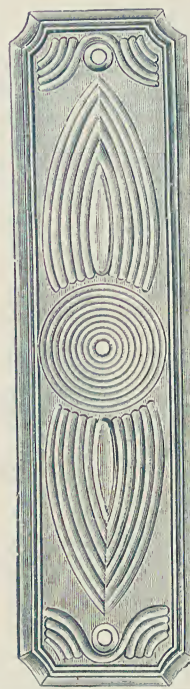
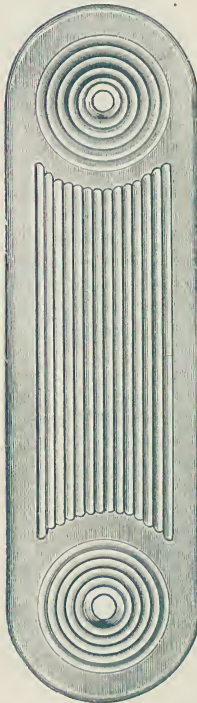
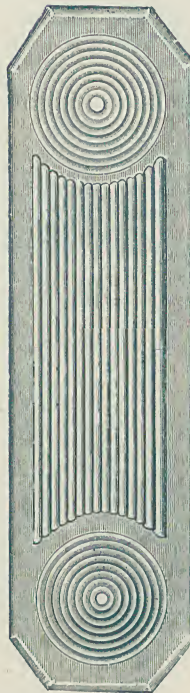
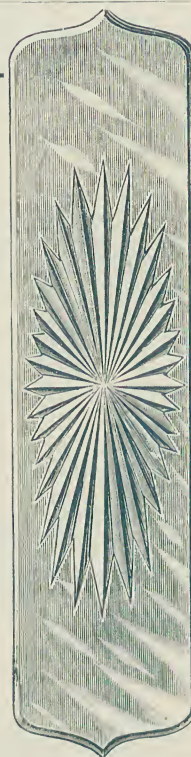


		White.	Cream.	Black.	White and Gold.	Cream and Gold.	Black and Gold.
No. 1181.	Pitt's Patent Stamped Brass Roses	21/-	21/6	22/-	27/-	28/-	29/-
" 1182.	" " Cast " "	26/-	27/-	27/6	32/6	33/6	34/6
" 1183.	" " " " "	28/6	29/-	30/-	35/-	36/-	37/-

Per dozen sets. A Set consists of two Knobs, two Escutcheons and loose Spindle.

Bronze Medal, 1884.—Gold Medal, 1890.



**CHINA FINGER PLATES.** Long and Short, Same Price.**No.  
1186.****No.  
1187.****No.  
1188.****No. 1189.****No. 1190.****No. 1191.****No. 1192.****No.  
1193.****PRICES:**

Size.	White.	Cream.	Black.	White and Gold.	Cream and Gold.	Black and Gold.
No. 1186. 3 in. wide	6/-	6/6	7/6	13/-	13/6	14/6
No. 1187. 2 3/4 in. wide						
No. 1188. 2 3/4 in. wide						
No. 1189. 2 3/4 in. wide						
No. 1190. 2 or 3 in. wide	—	—	—	40/-	40/-	40/-
No. 1191. 2 3/4 in. wide	7/9	8/3	9/6	14/9	15/6	16/6
No. 1192. 2 3/4 in. wide						

at per single dozen.

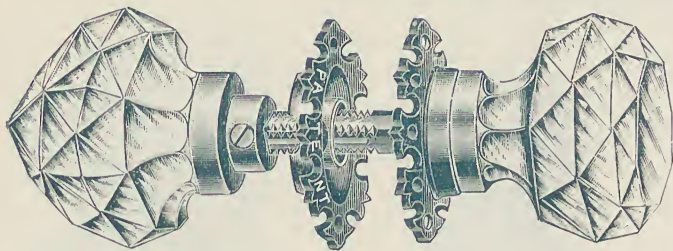
No. 1193. 11 x 2 3/4 in. Glass Finger Plates, Crvstal, 7/6 each, Amber, 9/6 each.

**Awards for Excellence of Machines and Tools :**



# GLASS DOOR FURNITURE, CUPBOARD TURNS, SHUTTER KNOBS.

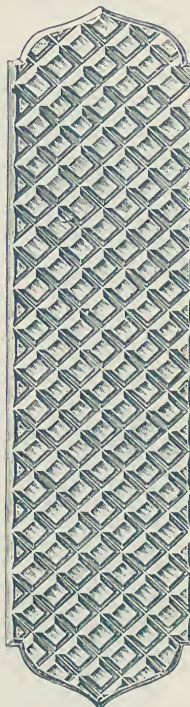
No. 1196.



No. 1197.

No. 1196. Mace's Cast Brass Mounts ... Crystal. 11/- Amber. 12/- per set.  
" 1197. Mace's Strong Brass Roses ... 9/6 10/6 "

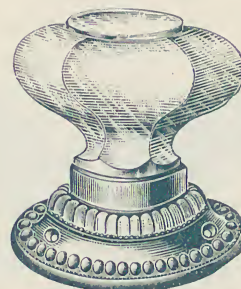
No. 1198.



Cut Glass Finger Plates.

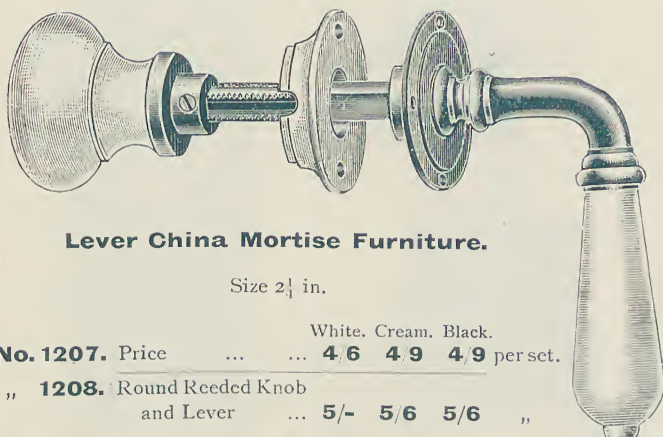
Size  $10\frac{1}{2} \times 2\frac{3}{4}$  in.  
Price—Crystal, 8/- each.  
Amber, 9/- "

No. 1199.



Size  $2\frac{1}{2}$  in.

No. 1207.

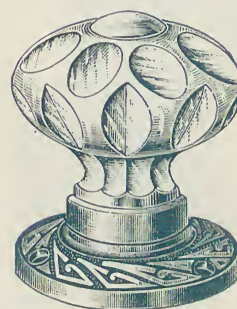


Lever China Mortise Furniture.

Size  $2\frac{1}{4}$  in.

No. 1207. Price ... White. Cream. Black.  
" 1208. Round Reeded Knob and Lever ... 4/6 4/9 4/9 per set.  
... 5/- 5/6 5/6 "

No. 1200.

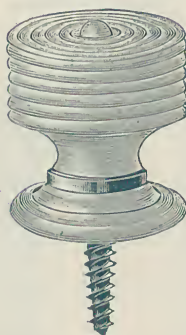


Size  $2\frac{1}{2}$  in.

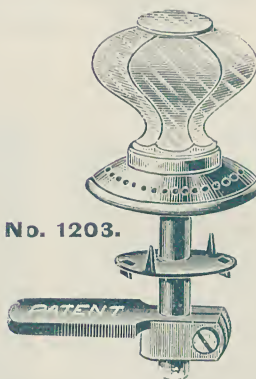
No. 1205



No. 1206.



No. 1203.



No. 1201.



No. 1204.

## PRICES.

		Crystal.			Amber.		
No. 1199.	Moulded Glass Mortise Furniture, Pitt's fast rose	9/-	10/-	per set.	10/-	11/-	per set.
" 1200.	Ditto ditto ...	10/-	11/-	per set.	10/-	11/-	per set.
" 1201.	Cut Glass Cupboard Turns, $1\frac{1}{2}$ in. ...	1/6	1/8	each.	1/6	1/8	each.
" 1202.	Cut Glass Shutter Knob, same pattern as No. 1201 ...	1/3	1/5	each.	1/3	1/5	each.
" 1203.	Moulded Glass Cupboard Turns, $1\frac{1}{2}$ in. ...	1/-	1/2	each.	1/-	1/2	each.
		White.	Cream.	Black.	White and Gold.	Cream and Gold.	Black and Gold.
No. 1204.	China Cupboard Turns China Roses $1\frac{1}{4}$ in. ...	4/-	4/3	4/6	5/9	6/-	6/6
" 1204.	Ditto ditto " $1\frac{1}{2}$ in. ...	4/6	4/9	5/-	6/3	6/6	6/9
" 1205.	China Shutter Knobs... $1\frac{1}{4}$ in. ...	2/-	2/-	2/-	4/-	4/-	4/3
" 1205.	Ditto ditto " $1\frac{1}{2}$ in. ...	2/-	2/6	2/6	4/6	4/6	5/-
" 1206.	China Reeded Shutter Knobs $1\frac{1}{4}$ in. ...	4/-	4/3	4/3	5/-	5/3	5/6
" 1206.	Ditto ditto $1\frac{1}{2}$ in. ...	5/6	5/9	6/-	6/3	6/6	7/-

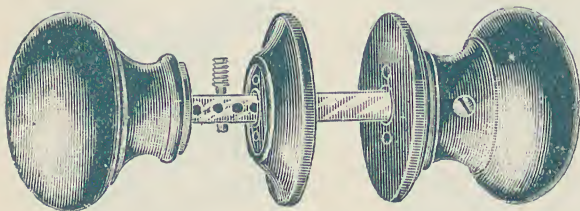
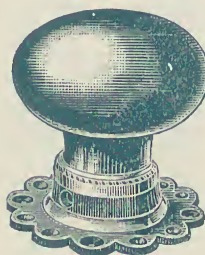
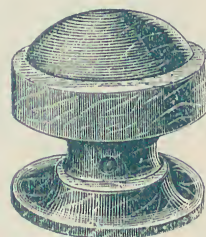
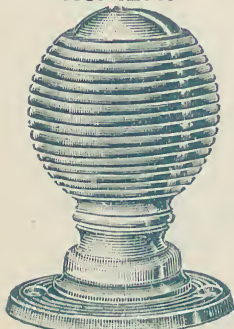
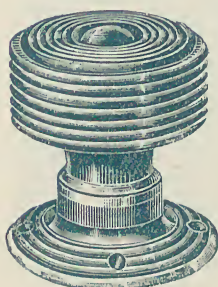
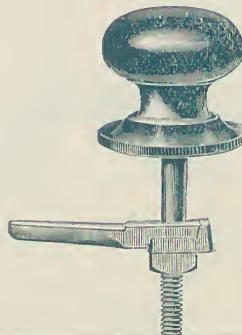
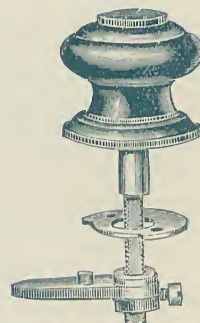
per dozen.

Bronze Medal, 1884.—Gold Medal, 1890.

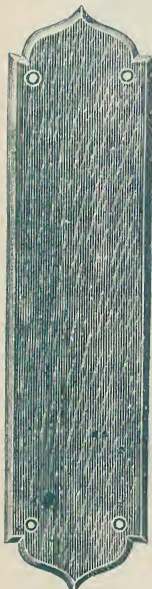


**WOOD LOCK FURNITURE.**

In Cocus, Ebony, Oak, Ambowood, Walnut, etc.

**No. 1210.****No. 1212.****No. 1213.****No. 1214.****No. 1216.****No. 1217.****No. 1218.**

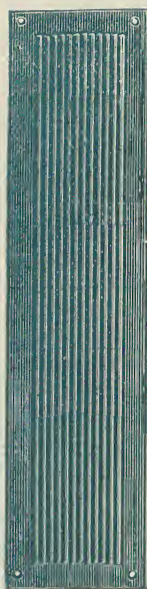
<b>No. 1210.</b> 2½ in., Drilled through, Wood Roses ...	<b>2/-</b> per set.	<b>No. 1214.</b> 2 in., Pitt's Reeded Cast Brass Roses ...	<b>4/3</b> per set.
<b>No. 1211.</b> 2½ in., Mace's Spindle, Brass Roses ...	<b>3/-</b> "	<b>No. 1215.</b> 2½ in., ditto ditto ditto ...	<b>4/3</b> "
<b>No. 1212.</b> 2½ in., " Cast Brass Roses ...	<b>3/-</b> "	<b>No. 1216.</b> 2 in., Mace's Round Reeded ditto ...	<b>4/-</b> "
<b>No. 1213.</b> 2½ in., ditto ditto ...	<b>3/-</b> "	<b>No. 1217.</b> 1½ in., Cupboard Turn ...	<b>4/-</b> per doz.
<b>No. 1218.</b> 1½ in., Fancy Cupboard Turn ...		<b>12/-</b> per doz.	

**WOOD FINGER PLATES.****No. 1219.**

1/4 each.

**No. 1220.**

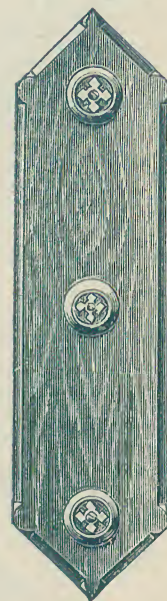
1/9 each.

**No. 1221.**

2/3 each.

**No. 1222.**

3/9 each.

**No. 1223.**

3/6 each.

Long and Short same price.

Wood Furniture and Finger Plates made to any design and in any Wood.

Prices on application.

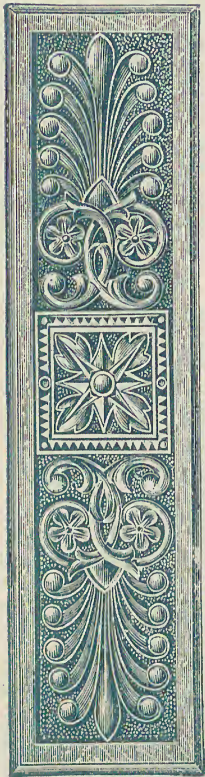
**Awards for Excellence of Machines and Tools:**



# **PATENT CARVED WOOD LOCK FURNITURE, FINGER PLATES, Etc.**

Oak, Ebony, Walnut, Mahogany, and Teak, same prices.

**No. 1227.**



**Finger Plates.**  
2'6 each.

**No. 1228.**



**2½-in. Reeded Pitt's Mortise Furniture.**

7'6 per set.

**No. 1229.**



**Bell Lever.**

14/- per pair.

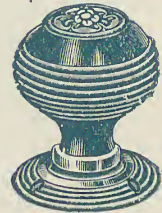
**No. 1230.**



**Finger Plates.**

2'6 each.

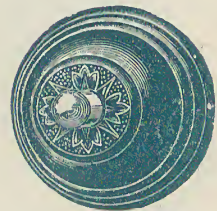
**No. 1231.**



**2½-in. Pitt's Mortise Furniture.**

7'6 per set.

**No. 1232.**



**Electric Push.**

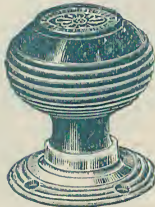
4/- each.

**No. 1233.**



**Finger Plates.**  
2'6 each.

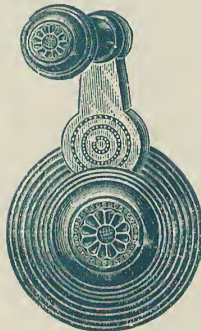
**No. 1234.**



**2½-in. Pitt's Mortise Furniture.**

7'6 per set.

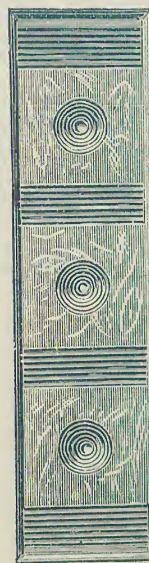
**No. 1235.**



**Bell Levers.**

14/- per pair.

**No. 1236.**



**Finger Plates.**

4'6 each.

**No. 1237.**



**2½-in. Pitt's Mortise Furniture.**

5/- per set.

**No. 1238.**

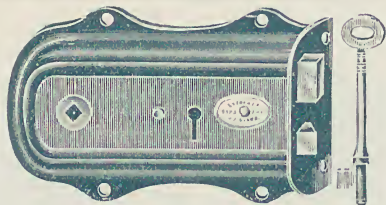


**2-in. Pitt's Mortise Furniture.**

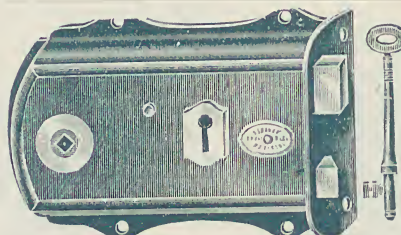
5/- per set.

Bronze Medal, 1884.—Gold Medal, 1890.

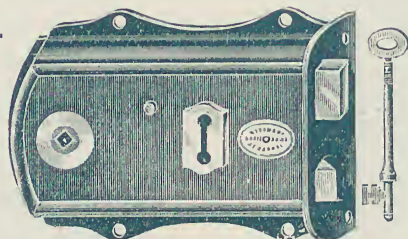


**RIM LOCKS.****No. 1239.****6-in. Japanned Steel Case, 2-Bolt Rim Lock.**

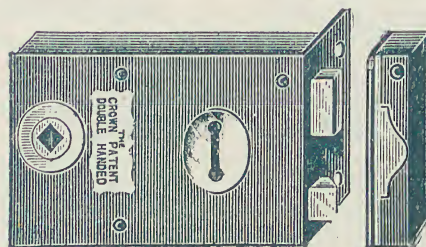
Complete with Drilled through Furniture.

**No. 1239.** Brass Bolts **27/-** per dozen.,, **1240.** All Brass, Cast Case, complete **8 6** each.**No. 1241.****6-in. Japanned Steel Case, Full Bushed Rim Lock.**

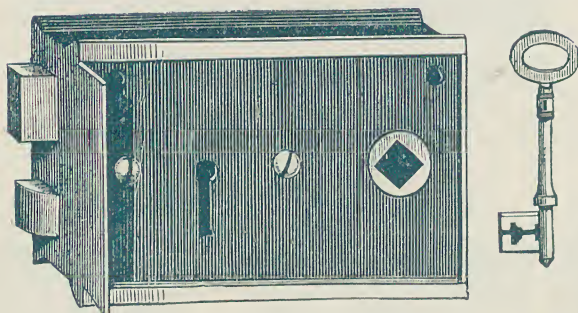
Complete with Drilled through Furniture.

Two Brass Bolts as drawn **31/-** per doz.**No. 1242.****6-in. Japanned Steel Case, Double Hand, Bushed Rim Lock.**

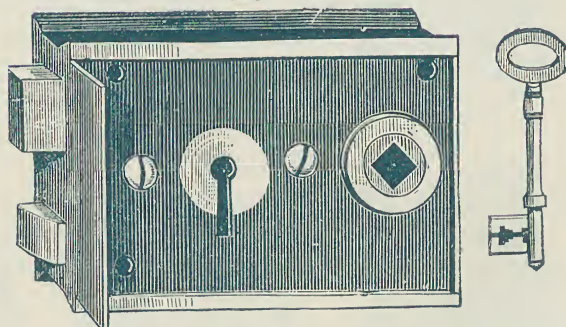
Complete with Drilled through Furniture.

**No. 1242.** Brass Bolts as drawn **35/-** per doz.,, **1243.** Cast Iron Case, complete **46 3** per doz.**No. 1244.****6-in. Extra Strong Bushed Double Hand Rim Lock.**

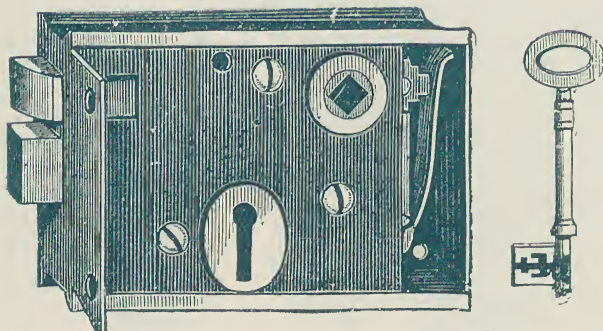
Complete with Drilled through Furniture.

**40/-** per doz.**No. 1245.****6-in. 2-Bolt Rim Lock.**

Complete with Drilled through Furniture.

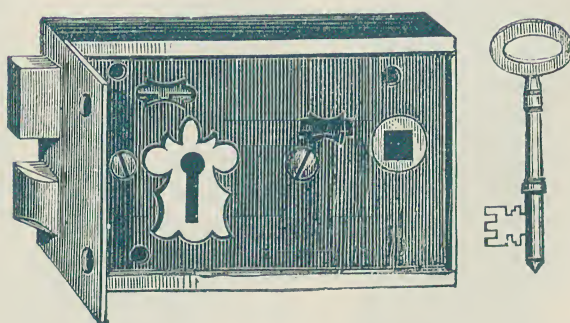
**22/-** per doz.**No. 1246.****6-in. 2-Brass Bolt, Full Bushed Rim Lock.**

Complete with Drilled through Furniture.

**31/-** per doz.**No. 1247.****Extra Strong 2-Bolt Bushed Rim Lock with Scotch Spring.**

Complete with Drilled through Furniture.

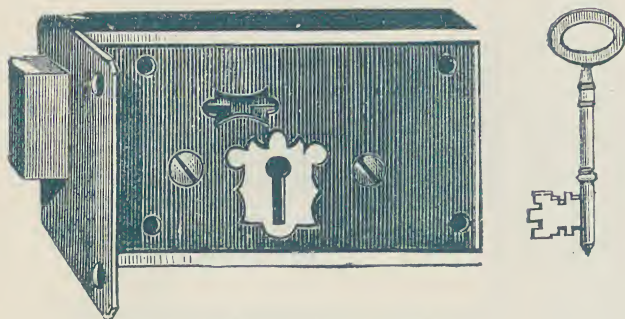
Sizes 6 7 8 in.

**No. 1247.** Iron Bolts **31/- 38/6 55/-** doz.,, **1248.** Brass Bolts **36/6 46/6 64/-** „**No. 1249.****6-in. 2-Keyed, 2-Lever, 2-Brass Bolt, Bushed Keyhole and Follower, Without Furniture.****5/-** each.**Awards for Excellence of Machines and Tools :**



## DEAD LOCKS, DRAWERBACK LOCKS, GATE LOCKS.

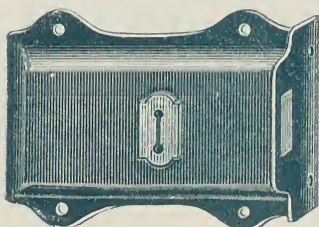
No. 1255.



Rim Dead Locks.

	Sizes	...	4	5	6	7	8 in.
No. 1254.	Fine Ward	...	1 2	1 4	1 5	2 -	3/6 each.
" 1255.	Bushed, Iron Bolt	...	2/3	2/6	3/4	3/6	5 - "
" 1256.	Ditto, Brass Bolt	...	2/6	2/9	3/6	3/9	5/6 "

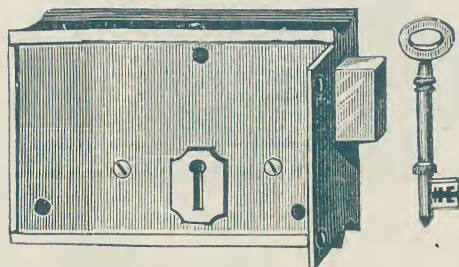
No. 1259.



Japanned Flanged Steel Case, Rim Dead Lock,  
with Brass Bolt and Bushed Keyhole.

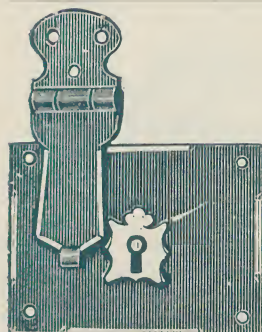
Sizes	...	4	5	6 in.
Price	...	2/3	2/6	2/9 each.

No. 1263.



Brass Bolt, Lever Rim Dead Locks, very strong.

	Sizes	...	4	5	6	8 in.
No. 1263.	Two-Lever	...	4 -	4/3	4/6	6/9 each.
" 1264.	Four-Lever	...	6 -	6/6	7/3	9/6 "

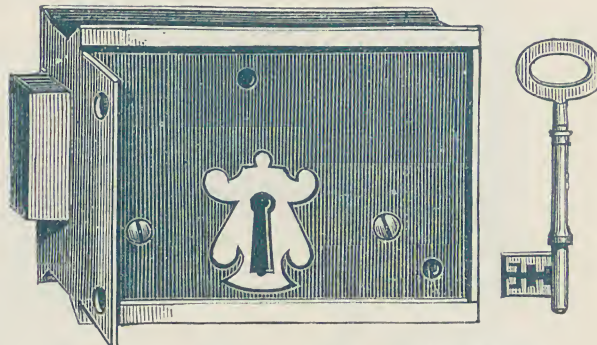


No. 1267.

Best Japanned and  
Brass Trunk Locks.

	Sizes	3	3 1/2	4 in.
No. 1267.		10 -	11 -	12/6 doz.
" 1268.	Brass ditto—	1/9	2 -	2/3 ea.

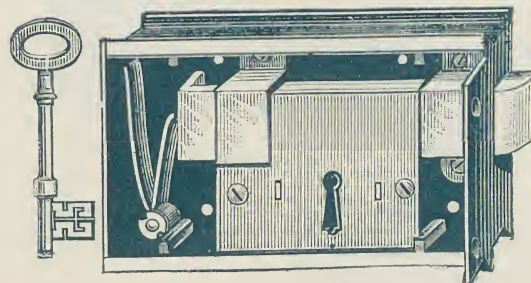
No. 1257.



Extra Strong Rim Dead Locks.

	Sizes	...	4	5	6	7	8 in.
No. 1257.	Heavy Bushed Iron Bolt	...	2 9	3 -	3/3	4 -	5/6 ea.
" 1258.	Brass Bolt, with Solid Wards...	...	2 -	2/3	2/6	2/9	4/6 "

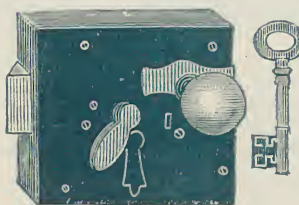
No. 1260.



Rim Drawback Lock, with Back Slide.

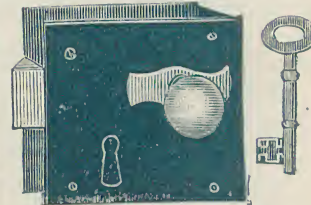
	Sizes	...	7	8	9	10 in.
No. 1260.	Fine Ward, not Bushed	...	3/3	4 -	5/6	7/6 ea.
" 1261.	Ditto, Bushed, strong	...	4 -	4/6	4/9	8/6 "
" 1262.	Solid Ward, Bushed, extra strong	...	5 -	5/6	7/6	8/6 "

No. 1265.



Square.

No. 1266.



Flanged.

Iron Gate Locks.

Sizes	...	4	4 1/2	5	5 1/2 in.
Price	...	2/9	3 -	3/3	3/3 each.



No. 1269.

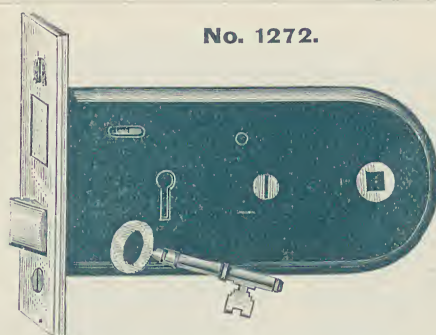
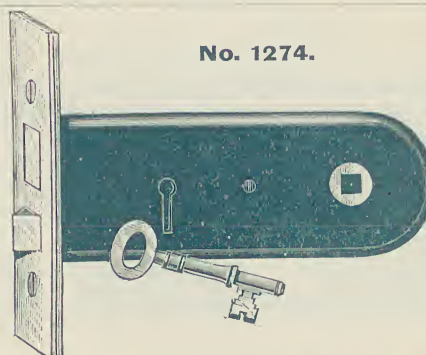
No. 1271.

Budget Locks.



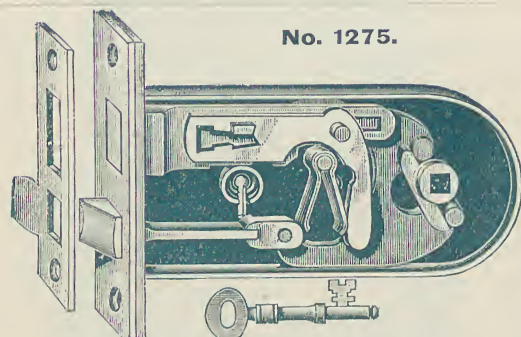
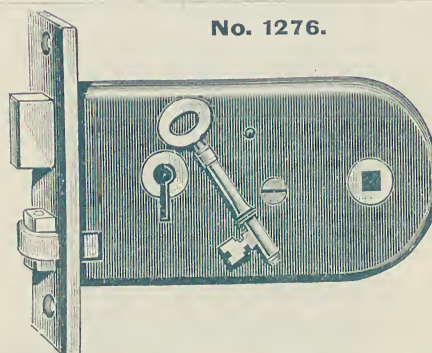
	Sizes	...	3/4	7/8	1	1 1/4 in.
No. 1269.	Price	...	10 -	11 -	12/3	14/6 doz.
" 1270.	Brass, ditto	...	1/2	1/6	1/8	each.
" 1271.	Steel Tipped Keys for ditto	...	...	...	6/9	doz.



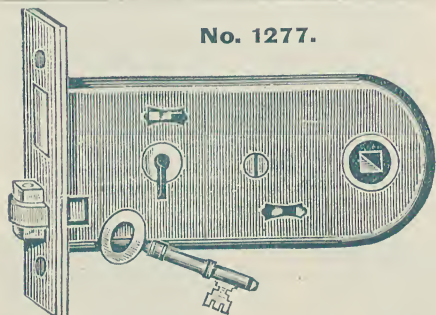
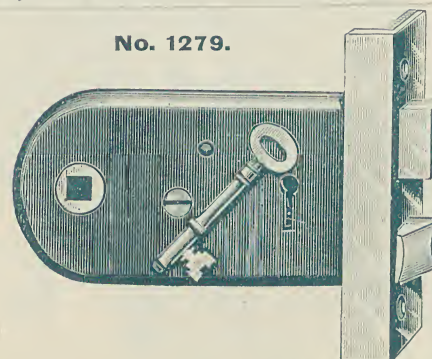
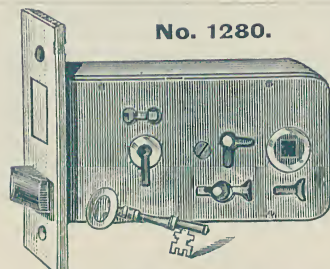
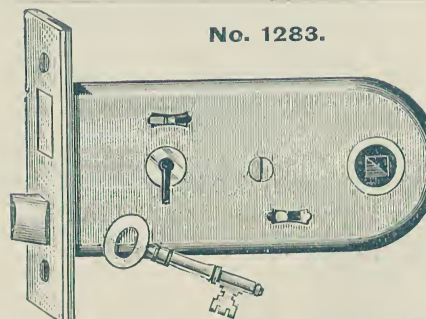
**MORTISE LOCKS.****No. 1272.****6-in. Japanned Steel Case Mortise Lock.****No. 1272.** Iron Bolts 25/6 per doz.**No. 1273.** Brass Bolts 26/6 "**No. 1274.****Narrow Japanned Steel Case Mortise Lock.**

Sizes 5 6 in.

Price 27/6 30/- per doz.

**No. 1275.****6-in. New Pattern Stamped Bright Steel Case Mortise Lock.**With Brass Bolts, Nickel Plated Key Shifting Bolt.  
Price 36/- per doz.**No. 1276.****6-in. Japanned Steel Case Roller Bolt Mortise Lock.**

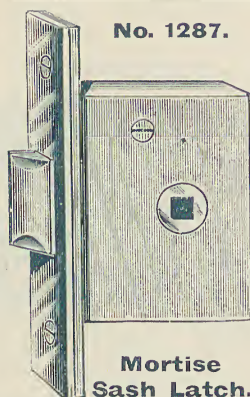
Bushed Keyhole and Follower, Brass Bolts. Price 31/- per doz.

**No. 1277.****6-in. Strong Bright Steel Case Roller Bolt Mortise Lock.**Bushed Keyhole and Follower, 2-Lever, Reversible Bolt.  
Price 47/- per doz.**No. 1279.****6-in. Japanned Steel Case 2-Brass Bolt Mortise Lock.****No. 1278.** 2 Brass Bolts 29/- per doz.**No. 1279.** Half Rabbeted 37/- "**No. 1280.****6-in. Scotch Spring, Palace Motion 2-Brass Bolt Mortise Lock.****No. 1280.** Two Lever ... 60/- per dozen.**No. 1281.** Four ditto ... 73/- "**No. 1282.** Two ditto, Half-rabbeted 71/- "**No. 1283.****No. 1283.** 6-in. Strong Bright Steel Case Bushed Brass Bolt Mortise Lock, 43/- per doz.**No. 1284.** 6-in. Japanned Case, ditto. 28/- per doz.

Awards for Excellence of Machines and Tools :



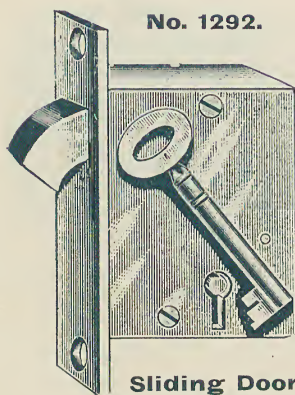
## MORTISE SASH LOCKS, PULPIT LATCHES, Etc.



No. 1287.

Mortise  
Sash Latch.

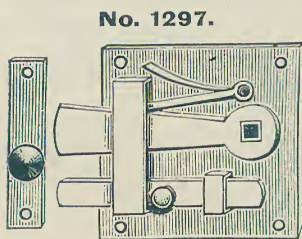
Sizes  $1\frac{1}{2}$  2  $2\frac{1}{2}$  3 in.  
Price  $2/3$   $2/3$   $2/6$   $2/9$  each.



No. 1292.

Sliding Door  
Locks.

Sizes ... 3  $3\frac{1}{2}$  4 in.  
Price, 2-Lever ...  $2/-$   $2/6$   $3/6$  each.  
" 4 " ...  $2/9$   $3/6$   $4/6$  "



No. 1297.

Bow Latches.

Sizes ...  $3\frac{1}{2}$  4 in.

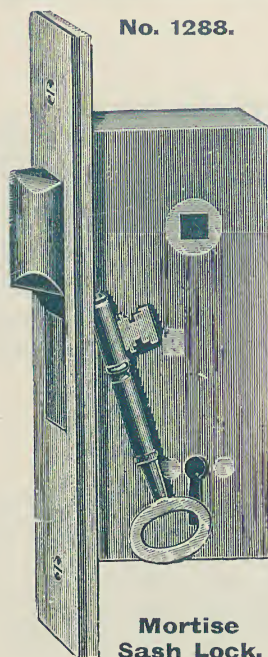
No. 1296. Japanned ...  $9/-$   $10/-$  doz.  
" 1297. " Bolted  $11/6$   $13/-$  "



No. 1301.

Brass Knobs for Mortise Night  
Latches.

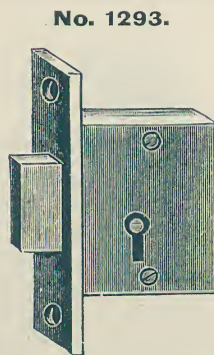
Sizes ...  $1\frac{1}{4}$   $1\frac{1}{2}$   $1\frac{3}{4}$  in.  
Price ...  $-8$   $-10$   $1/-$  each.



No. 1288.

Mortise  
Sash Lock.

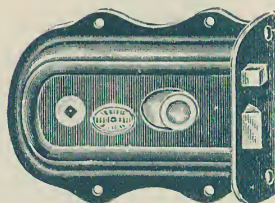
Sizes  $1\frac{1}{2}$  2  $2\frac{1}{2}$  3 4 in.  
No. 1288.  $4/-$   $4/-$   $4/-$   $4/3$   $4/6$  each.  
" 1289. One Bolt to Lock and Spring—  
Sizes  $1\frac{1}{2}$  2  $2\frac{1}{2}$  3 4 in.  
Price  $4/-$   $4/-$   $4/-$   $4/3$   $4/6$  each.



No. 1293.

Mortise Cupboard Lock.

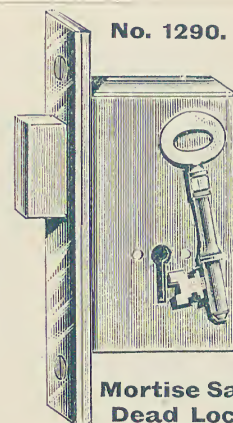
Sizes ... 2  $2\frac{1}{2}$  3 in.  
Price ...  $1/6$   $1/9$   $2/-$  each.



No. 1298.

Japanned Steel Case Rim  
Latches.

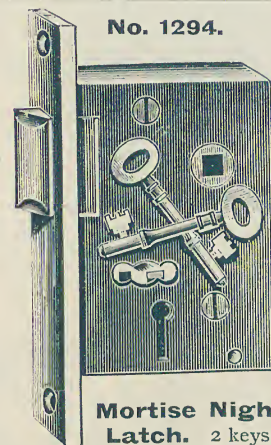
Brass Bolts, with brass drilled through furniture. Size 4 in.,  $18/6$  per doz.



No. 1290.

Mortise Sash  
Dead Lock.

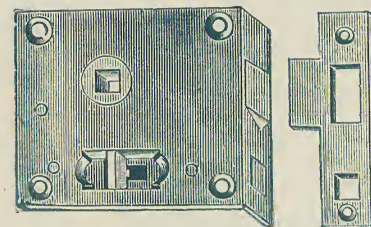
No. 1290. Iron Bolt—  
Sizes  $1\frac{1}{2}$  2  $2\frac{1}{2}$  3 4 in.  
Price  $3/-$   $3/3$   $3/6$   $3/6$   $3/6$  each.  
" 1291. 2-Lever—  
Sizes  $1\frac{1}{2}$  2  $2\frac{1}{2}$  3 4 in.  
Price  $4/9$   $4/9$   $4/9$   $5/-$   $5/6$  each.



No. 1294.

Mortise Night  
Latch. 2 keys.

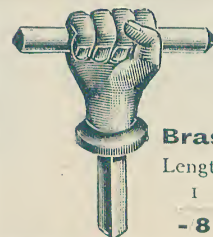
Sizes...  $2\frac{1}{2}$  3  $3\frac{1}{2}$  4 in.  
No. 1294. 2-Lever  $5/6$   $5/6$   $5/9$   $6/-$  each.  
" 1295. 4 "  $6/9$   $6/9$   $7/3$   $8/-$  "



No. 1300.

Brass Pulpit Latches.

Sizes ... 3  $3\frac{1}{2}$  4 in.  
Price ...  $2/9$   $3/3$   $3/6$  each.  
For price of Furniture for ditto, see page 68.



No. 1302.

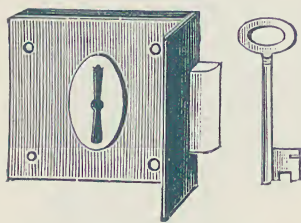
Brass Fist Handles.  
Length of Bar—

1  $1\frac{1}{4}$   $1\frac{1}{2}$  2  $2\frac{1}{2}$  in.  
 $-8/1-$   $1/3$   $2/9$   $3/9$  each.



## NIGHT LATCHES.

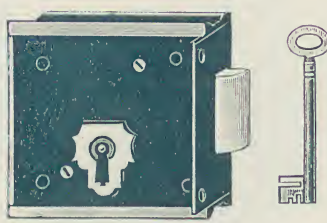
No. 1304.



4-in. 2-Keyed Bushed Double Handed Night Latch.

Price 1/6 each.

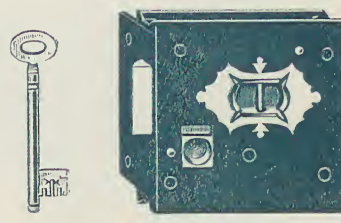
No. 1305.



4-in. Strong 2-Keyed Bushed Night Latch.

Price 2/6 each.

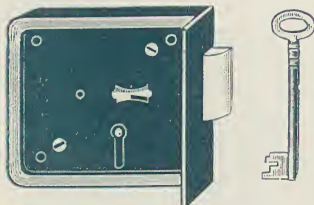
No. 1306.



4-in. 2-Keyed Reversible Night Latch.

Price 3/3 each.

No. 1307.

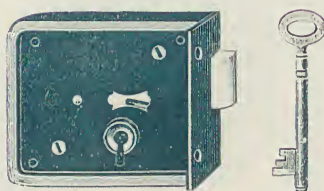


No. 1307. 4-in. 2-Keyed 2-Lever Night Latch.

Price 3/9 each.

No. 1308. 4-Lever ditto, 3/9 each.

No. 1309.

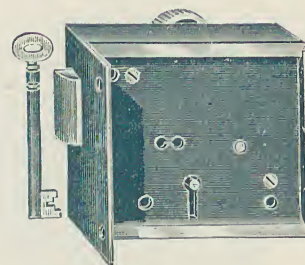


No. 1309. 4-in. 2-Lever Night Latch, with Pin Keys.

Price 4/3 each.

No. 1310. 4-Lever ditto, 4/3 each.

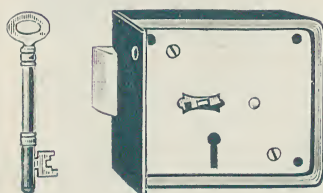
No. 1311.



4-in. 2-Keyed 2-Lever Strong Brass Bolt Night Latch.

Price 4/- each.

No. 1312.

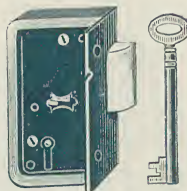


No. 1312. 4-in. 2-Keyed 2-Lever Night Latch.

With Pin Keys and Brass Cap Plate.  
Price 6/9 each.

No. 1313. 4-Lever ditto, 7/9 each.

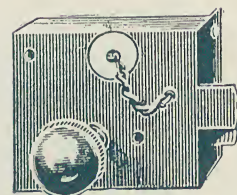
No. 1314.



2-Keyed Night Latch  
(Suitable for Narrow Stiles).

	2	2 1/2	3 in.
No. 1314. 2-Lever	4/3	4/3	4/3 each.
No. 1315. 4-Lever	5/-	5/-	5/- „

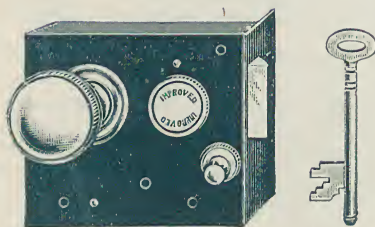
No. 1316.



4 1/2-in. 2-Keyed 5-Lever Combination Night Latch.

Price 6/9 each.

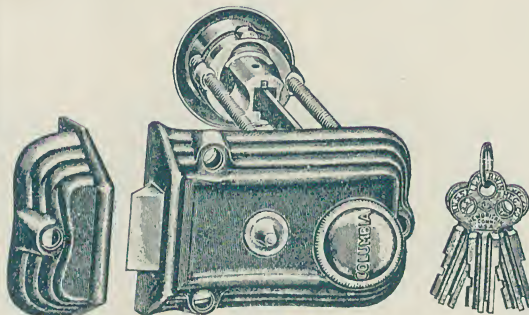
No. 1317.



4-in. 4-Lever 2-Keyed Best Quality Night Latch, to Lock.

Price 14/- each.

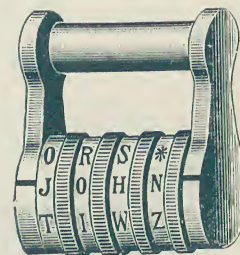
No. 1318.



Latch, Japanned Case, Bronze Knob and Bolt, with 3 Keys,  
Adjustable for Doors 1 1/4 to 3 in. thick.

Price 8/6 each.

No. 1319.



Brass Letter Padlock.

	3	4	5	6
No. 1318. ring.	1/2	1/6	1/9	2/- each.
No. 1320.	1/9	2/-	2/3	2/6 „

Awards for Excellence of Machines and Tools:

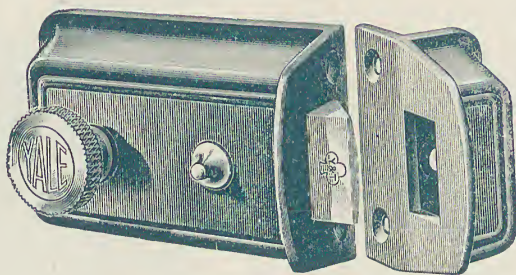


## YALE RIM NIGHT LATCHES.

**No. 42.**



Cylinder.



**No. 8.**

### Yale Rim Night Latch.

Size,  $2\frac{3}{8} \times 2\frac{1}{2}$  in. Distance from edge of door to centre of cylinder  $2\frac{3}{8}$  in. Reversible for either hand, and suitable for doors  $\frac{1}{8}$  in. to  $2\frac{3}{8}$  in. thick. Operated by key from outside, and knob from inside. Bolt may be held back by setting stop.

No.	Material.	Cylinders.	Knob.	Price each.
41	Iron Case, Old Copper Finish	Nickel Plated	Nickle Plated	9/-
42	Ditto	Bronze	Bronze	7/9
*42D	Ditto	Ditto	Ditto	7/9
52	Bronze	Ditto	Ditto	19/-

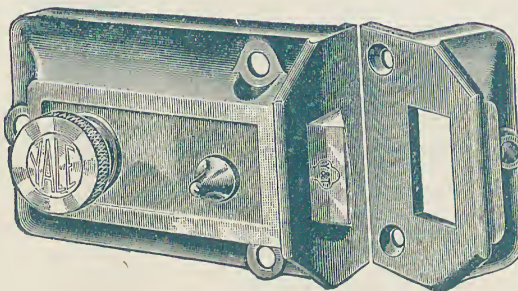
\* **No. 42D** differs from **No. 42** only that the Bolt may be dead-locked by Stop. in locked or unlocked position.

**No. 042.**

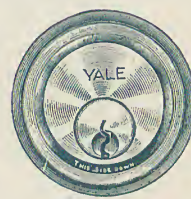
### Yale Rim Night Latch.

Size,  $2\frac{3}{8} \times 3\frac{1}{2}$  in. Distance from edge of door to centre of escutcheon  $2\frac{3}{8}$  in. Reversible for either hand. Applicable to doors from  $\frac{1}{8}$  to  $2\frac{3}{8}$  in. thick. Operated by key from outside, and knob from inside. Bolt may be held back by setting stop. Three paracentric keys. Packed, each in box with screws.

No.	Material.	Cylinders.	Knob.	Price each.
042	Japanned Iron	Bronze	Bronze	7 6
*042D	Ditto	Ditto	Ditto	7 6
052	Bronze	Ditto	Ditto	17 6



**No. 8.**



Cylinder.

\* **No. 042D** differs from **No. 042** only that the Bolt may be dead-locked by Stop in locked or unlocked position.

**No. 742.**

### Yale Rim Night Latch.

Size,  $3 \times 4$  in. Distance from edge of door to centre of escutcheon,  $2\frac{3}{8}$  in. Reversible for doors of either hand. Suitable for doors from  $\frac{1}{8}$  to 4 in. thick. Operated by key from outside and knob from inside. Bolt may be held back by setting stop. Three Paracentric keys. Packed, each in box, with screws.

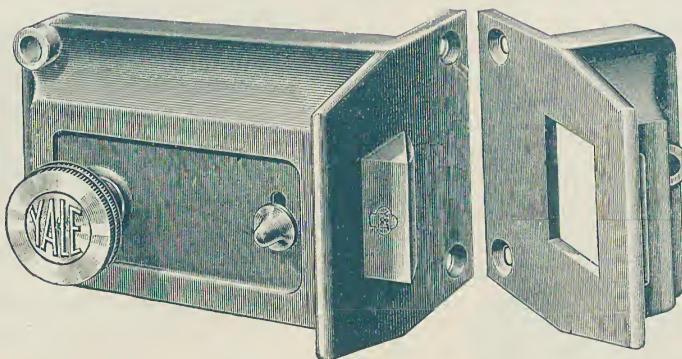


**No. 8.**

No.	Cylinders.	Knob.	Price each.
741	Nickel Plated	Nickel Plated	12 6
742	Bronze	Bronze	11/-



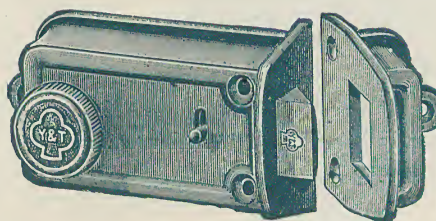
Cylinder.



**No. 22.**

Size,  $2 \times 3\frac{1}{2}$  in. Distance from edge of door to centre of escutcheon,  $2\frac{3}{8}$  in. Reversible for doors of either hand. Suitable for doors from  $\frac{1}{8}$  to 2 in. thick. Operated by key from outside and knob from inside. Bolt may be held back by stop.

Price, complete with Screws, Bronze Bolt, Cylinder and Knob, 6 9 each.



Cylinder.



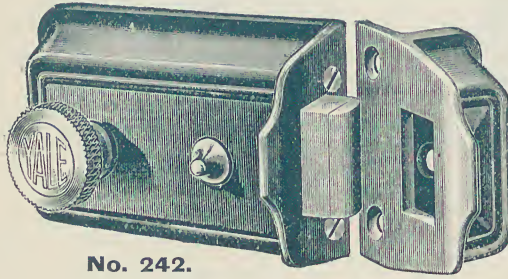
**No. 16.**



**YALE RIM AND MORTISE NIGHT LATCHES.****No. 242.****Yale Safety-Bolt Rim Night Latch—with Paracentric Key.**

Especially intended for Entrance and Office Doors to attack by sneak thieves.

(See detailed description below.)

**No. 242.**CASE— $2\frac{3}{8} \times 3\frac{1}{2}$  in.

THICKNESS—1 in.

BACKSET— $2\frac{3}{8}$  in.**No. 8.**

The No. 242 YALE SAFETY-BOLT RIM NIGHT LATCH acts normally as a spring latch, but if attacked with tools through crack of door a *safety device* dead-locks the bolt and prevents its retraction except by the knob or key.

BRONZE—Bolt, Cylinder, and Knobs.

REVERSIBLE—For doors of either hand.

FOR DOORS— $\frac{7}{8}$  to  $2\frac{1}{2}$  in. thick, and for other thicknesses as ordered.

OPERATED—By Key from outside and Knob from inside. Bolt may be held back by setting the Stop.

KEYS—3 Paracentric Keys.

BEVEL—Cut shows regular bevel. This latch is not adapted for use on reversed doors.

**PRICE.**

Case, Iron, old Copper Finish.

**9/-** each.**"Defender" Rim Night Latches.**

Wrought Steel.

**No. 015 Series.**CASE— $2 \times 3\frac{1}{4}$  in. THICKNESS— $\frac{5}{8}$  in. BACKSET— $2\frac{1}{2}$  in. STRIKE— $2 \times \frac{5}{8}$  in.

CASE AND STRIKE—As below.

WROUGHT BRASS—Tube ( $\frac{7}{8}$  in. long).

CAST BRONZE—Bolt.

BRONZE—Knob and Stop.

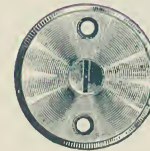
OPERATED—By Key from outside, by Knob from inside. Bolt may be held back by Stop.

FOR DOORS—As below.

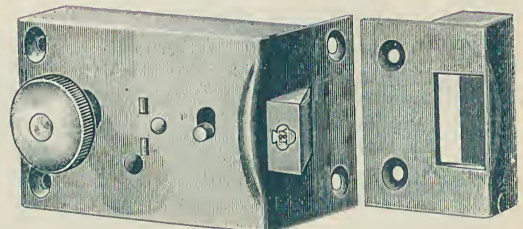
KEY CHANGES—12.

KEYS—2 Nickel Plated Flat Steel Keys.

REVERSIBLE—For doors of either hand; one regular and one reverse bevel strike packed with each latch.

**No. W20.****No. 40.**

No.	Case and Strike.	For Doors.	Price.
015	Enamelled Steel	Up to $1\frac{3}{4}$ in.	<b>2/6</b> each.
015-C	Steel: Old Copper	Up to $1\frac{3}{4}$ in.	<b>2/9</b> each.
015 $\frac{1}{2}$	Enamelled Steel	Up to $2\frac{1}{2}$ in.	<b>2/6</b> each.
015 $\frac{1}{2}$ -C	Steel: Old Copper	Up to $2\frac{1}{2}$ in.	<b>2/9</b> each.

**No. 015.****Yale Mortise Night Latch—with Paracentric Key.****No. 166.**Size  $2\frac{3}{4} \times 3$  in., Thickness  $\frac{5}{8}$  in., Backset  $2\frac{1}{2}$  in., Front  $4\frac{1}{2} \times \frac{7}{8}$  in., Japanned Case.

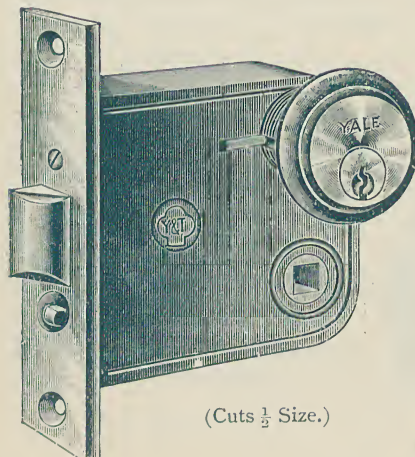
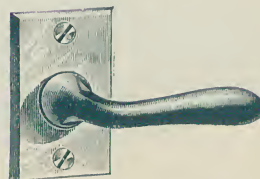
Bronze Front, Cylinder, Bolt, Striker, and Follower.

Operation by Key from outside.

No. 166 by Knob from inside, and No. 167 by Lever Handle from inside.

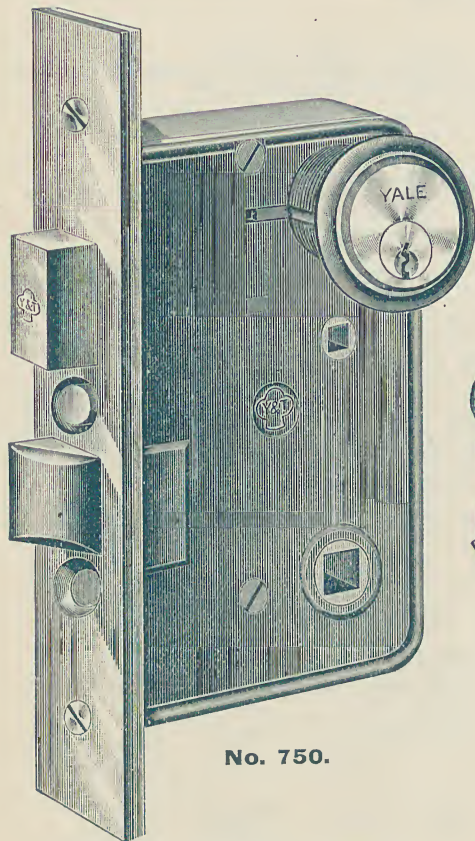
For doors from  $1\frac{1}{4}$  to  $1\frac{3}{4}$  in. thick only.

Suitable for doors of either hand.

**PRICES.****No. 166** with **No. 2112** Knob and Rose,**17/6** ~~7/6~~ each.**No. 167** with **No. 8** Lever Handle and Plate,**17/6** ~~7/6~~ each.(Cuts  $\frac{1}{2}$  Size.)**No. 10.****No. 8.** Lever Handle and Plate.**Awards for Excellence of Machines and Tools :**



## YALE MORTISE FRONT DOOR LOCKS.



No. 750.

Front Door Lock.

### Yale Front Door Lock, with Paracentric Key.

#### No. 750.

CASE,  $6 \times 3\frac{3}{4}$  in.

THICKNESS,  $\frac{3}{4}$  in.

BACKSET,  $2\frac{3}{4}$  in.

SPACING { Outside, 4 in.  
Inside,  $2\frac{1}{2}$  in.

JAPANNED IRON—Case.

BRONZE—Front, Bolts, Strike.  
Knob and Cylinder.

EASY SPRING—Latch Bolt.

OPERATED—Latch Bolt by Knob  
from either side, and by Key  
from outside; Dead Bolt by Key  
from outside, and by Thumb-  
piece from inside. Outer Knob  
may be set by Stop.

FRONT,  $8\frac{1}{4} \times 1\frac{1}{8}$  in.

SPINDLE,  $\frac{3}{8}$  in. Triplex Swivel.

BEVEL,  $\frac{1}{8}$  in. in  $2\frac{1}{2}$  in.

MASTER-KEYED—By Simplex  
or Surety System.

FOR DOORS— $1\frac{3}{8}$  to  $2\frac{1}{4}$  in. thick,  
and for other thicknesses as  
ordered.

KEYS—3 Paracentric Keys No. 8.

NOT REVERSIBLE—Specify  
hand when ordering.



No. 8.

No. 750. Price, in Buffed Brass or Bronze, 33/6 each.

### Yale Mortise Night Latches, with Paracentric Key.

#### No. 66.

JAPANNED IRON—Case.

BRONZE—Front, Bolt, Strike,  
Hub and Cylinders.

EASY SPRING—Latch Bolt.

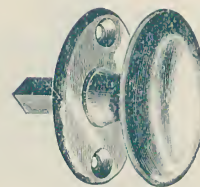
OPERATED—Latch Bolt by  
Key from outside, by Knob  
from inside. Latch may be  
set by Stop.†

FOR DOORS— $1\frac{1}{4}$  to  $2\frac{1}{8}$  in.  
thick, and for other thick-  
nesses as ordered.

KEYS—3 Paracentric Keys  
No. 8.

REVERSIBLE—For doors of  
either hand; except No. 66R  
and 66½R, for which specify  
hand when ordering.

PLAIN RIM—No. 2114 Knob  
and Rose.



No. 2114. Knob and Rose.



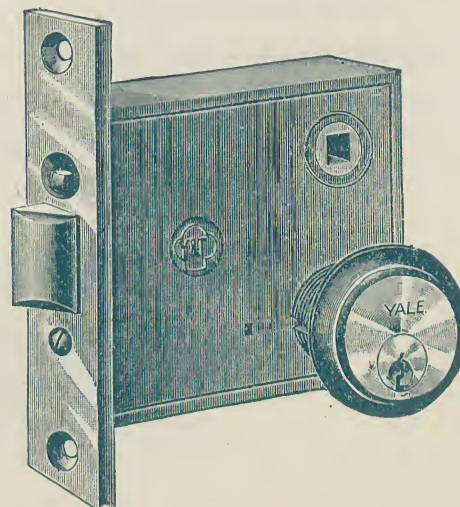
No. 8.

No.	DIMENSIONS.			Price, each.
	Case. Inches.	Front Inches.	Backset. Inches.	
66	$3\frac{1}{4} \times 3\frac{1}{2} \times \frac{3}{4}$	$5 \times 1$	$2\frac{3}{4}$	18/-
66½†	$3\frac{1}{4} \times 3\frac{1}{2} \times \frac{3}{4}$	$5 \times 1$	$2\frac{3}{4}$	27/-
66N	$3\frac{1}{2} \times 2\frac{3}{4} \times \frac{3}{4}$	$5\frac{1}{4} \times 1$	2	18/-
66½N†	$3\frac{1}{2} \times 2\frac{3}{4} \times \frac{3}{4}$	$5\frac{1}{4} \times 1$	2	27/-
66R	$3\frac{1}{4} \times 4\frac{3}{4} \times \frac{3}{4}$	$5 \times 1\frac{1}{8}$	$2\frac{3}{4}$	28/-
66½R†	$3\frac{1}{4} \times 4\frac{3}{4} \times \frac{3}{4}$	$5 \times 1\frac{1}{8}$	$2\frac{3}{4}$	31/-

PACKED—Each in a paper box with No. 2114 Knob and Rose  
and Screws complete.

†No. 66½, 66½N, and 66½R operated both sides by Key; the  
Knob is then necessarily omitted. Specify thickness of door when  
ordering.

A Protected Strike of smaller size than regular strike furnished  
when so ordered at no additional charge. Specify thickness of door  
when ordering.



Bronze Medal, 1884.—Gold Medal, 1890.



## YALE MORTISE LOCKS.

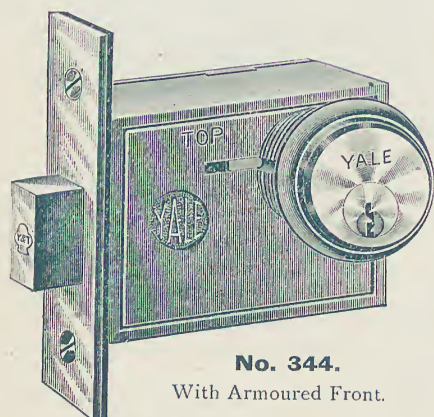
### Yale Mortise Dead Lock, with Paracentric Key.

#### No. 344.

CASE { Nos. 344 and 344 $\frac{1}{4}$ , 2 $\frac{3}{8}$  x 3 $\frac{5}{8}$  x  $\frac{3}{4}$  in.  
 { Nos. 348 and 348 $\frac{1}{4}$ , 3 x 3 $\frac{5}{8}$  x  $\frac{3}{4}$  in.

FRONT { Nos. 344 and 344 $\frac{1}{4}$ , 4 x 1 in.  
 { Nos. 348 and 348 $\frac{1}{4}$ , 5 x 1 in.

BACKSET—2 $\frac{3}{4}$  in.



No. 344.

With Armoured Front.



No. 8.

JAPANNED IRON—Case.  
 BRONZE—Front, Bolt, Strike,  
 and Cylinder.

OPERATED—No. 344 by Key  
 from one side only. No. 344 $\frac{1}{4}$   
 by Key from either side.\* No.  
 348 by Key from outside and  
 by Thumbpiece from inside.  
 No. 348 $\frac{1}{4}$  by Key from either  
 side.\*

MASTER-KEYED—By Sim-  
 plex or Surety System.

KEY CHANGES—Unlimited.

NOT REVERSIBLE—Nos.  
 348 and 348 $\frac{1}{4}$ . Specify hand  
 when ordering.

REVERSIBLE—Nos. 344 and  
 344 $\frac{1}{4}$ .

No.	For Doors.*	Cylinders.	Prices, Buffed Brass or Bronze, each.
344	1 $\frac{1}{4}$ to 2 $\frac{1}{8}$ in.	1	14/3
344 $\frac{1}{4}$ †	1 $\frac{1}{4}$ to 2 $\frac{1}{8}$ in.	2	21/6
348	1 $\frac{3}{8}$ to 1 $\frac{7}{8}$ in.	1	21/-
348 $\frac{1}{4}$ †	1 $\frac{3}{8}$ to 1 $\frac{7}{8}$ in.	2	29/-

\* In ordering give the thickness of door.

### The "Vulcan Jr." Mortise Knob Locks.

#### Nos. S3310 and S3312.

CASE { Nos. S3310, SB3310, S3311, P3311 and P3330, 3 $\frac{1}{2}$  x 3 $\frac{1}{4}$  x  $\frac{1}{2}$  in.  
 { Nos. S3312, SB3312 and P3312, 3 $\frac{1}{2}$  x 2 $\frac{3}{4}$  x  $\frac{1}{2}$  in.

BACKSET { Nos. S3310, SB3310, S3311, P3310, P3330, 2 $\frac{5}{8}$  in.,  
 S3312, SB3312 and P3312, 2 $\frac{1}{8}$  in.

FRONT—5 $\frac{1}{4}$  x 1 $\frac{5}{8}$  in.

SPACING—2 $\frac{1}{2}$  in.

SPINDLE— $\frac{5}{16}$  in. Triplex.

BRONZE PLATED STEEL  
 —Case.

EASY SPRING—Latch Bolt.

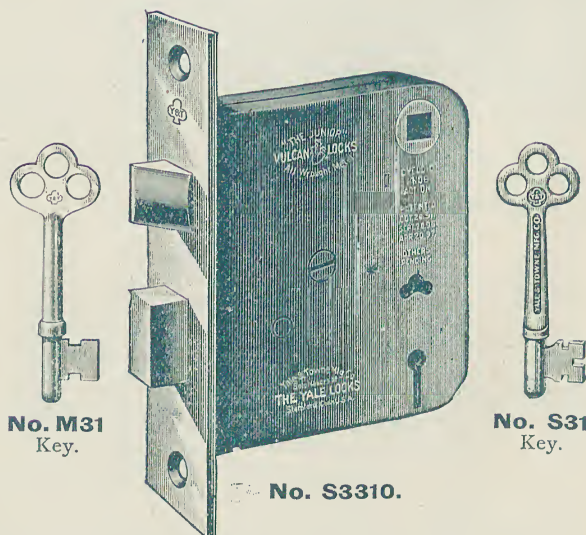
BRASS—Compensating Hub.

OPERATED—By Knob and  
 Key from either side.

REVERSIBLE—For doors of  
 either hand.

KEY—(Nickel Plated Solid Steel)  
 sent with all locks except  
 No. S3311, with which Tinned  
 Malleable Iron Key.

No.	Front, Strike, and Bolts.	Tumblers.	Changes.	Prices, each.
S3311	Lacquered Steel.	1	4	1/3
S3310	Lacquered Steel.	1	12	1/6
SB3310	Bronze Plated Steel.	1	12	1/9
P3310	Bronze.	1	12	2/6
P3330	Bronze.	3	36	4/-
S3312	Lacquered Steel.	1	12	1/3
SB3312	Bronze Plated Steel.	1	12	1/9
P3312	Bronze.	1	12	2/6



No. M31  
Key.

No. S31  
Key.

No. S3310.

Awards for Excellence of Machines and Tools:



## YALE PADLOCKS.

### Nos. S815 and A815. The "Terror" Padlocks.

3 Lever Tumblers: 36 Changes.  
2 Keys.

Cuts One-half Size.



**No. 815**  
Keys.



List No.	Size.	Case.	Price, each.
S812	1 1/4 in.	Steel, Ivory Black.	1/-
A812	1 1/4 in.	Brass.	1/6
S815	2 in.	Steel, Ivory Black.	2/6
A815	2 in.	Brass.	1/9

### No. 353 Series. The "Volunteer" Padlocks.

Steel Case. Shackle: Malleable Iron. 2 Keys.



**No. K553**  
Keys.



List No.	Size.	Case.	Price, each.
353J	1 3/4 in.	Ivory Black.	-/10
353E	1 3/4 in.	Etruscan Bronzed.	-/10
353T	1 3/4 in.	Tinned.	-/11
353A	1 3/4 in.	Brass Plated.	1/-
553J	2 1/4 in.	Ivory Black.	1/3
553E	2 1/4 in.	Etruscan Bronzed.	1/3
553T	2 1/4 in.	Tinned.	1/3
553A	2 1/4 in.	Brass Plated.	1/6

### No. 230. The "Defiance" Padlocks.

3 Lever Tumblers: 48 Changes.  
Shackle: Nickel Plated on Steel.  
2 Keys.



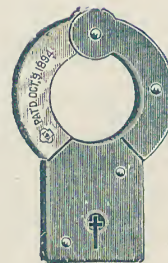
**No. 77**  
Keys.



List No.	Size.	Case.	Price, each.
230	1 1/2 in.	Steel, Black Enamel.	2/3
430	2 in.	Steel, Black Enamel.	2/6

### Nos. KS4J and KS4N. Yale Bicycle Sprocket Locks.

2 Lever Tumblers: 12 Changes.  
Steel Case and Shackle.  
2 Keys.



**No. K4**  
Keys.

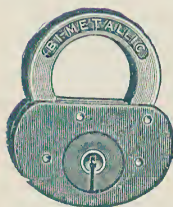


List No.	Size.	Case.
KS4J	1 in.	Ivory Black.
KS4N	1 in.	Nickel Plated.

Price -/10 each.

### Nos. KS6J and KS6N. The "Bi-Metallic" Padlocks.

2 Lever Changes: 12 Changes.  
Steel Case and Shackle.  
1 Key.



**No. K6**  
Key.



List No.	Size.	Case.	Price, each.
KS6J	1 3/4 in.	Ivory Black.	-/6
KS6N	1 3/4 in.	Nickel Plated.	-/8
KS7J*	1 3/4 in.	Ivory Black.	-/10
KS7N*	1 3/4 in.	Nickel Plated.	1/-

\* With 16 inches of Steel Safety Chain.

### Nos. KS8J and KS8N. Wrought Metal Padlocks.

2 Lever Tumblers: 12 Changes.  
Steel Case and Shackle.  
2 Keys.



**No. K8**  
Keys.



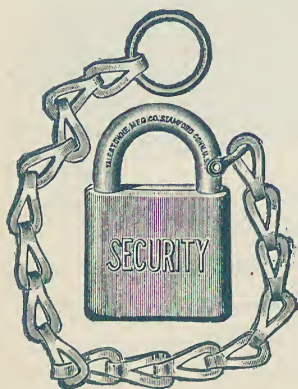
List No.	Size.	Case.
KS8J	1 3/4 in.	Ivory Black.
KSSN	1 3/4 in.	Nickel Plated.

Price -/9 each.



## YALE PADLOCKS.

## Nos. 231 and 232.

No. 80  $\frac{1}{2}$   
Keys.Nos. 231  $\frac{1}{2}$  and 232  $\frac{1}{2}$ .

## The "Security" Padlocks,

with 2 Paracentric Keys.

Pin-Tumbler Mechanism.

Shackle: Nickel Plated on Steel.

List No.	Size.	Case.	Pin Tumblers.	Price, each.
NOT MASTER-KEYED.				
231J	1 $\frac{1}{2}$ in.	Steel, Black Enamel	4	3/6
231 $\frac{1}{2}$ J*	1 $\frac{1}{2}$ in.	Steel, Black Enamel	4	4/-
231V	1 $\frac{1}{2}$ in.	Brass	4	3/9
231 $\frac{1}{2}$ V*	1 $\frac{1}{2}$ in.	Brass	4	4/6

## MASTER-KEYED.

Capable of 1500 changes, all different and subject to one Master-Key; or these may be divided into any desired number of sets, each set having a different Master-Key.

232J	1 $\frac{1}{2}$ in.	Steel, Black Enamel	4	4/6
232 $\frac{1}{2}$ J*	1 $\frac{1}{2}$ in.	Steel, Black Enamel	4	5/-
232V	1 $\frac{1}{2}$ in.	Brass	4	4/9
232 $\frac{1}{2}$ V*	1 $\frac{1}{2}$ in.	Brass	4	5/-

\* With 9 in. of Brass Safety Chain.

## No. 651.

Cuts one-half size.

No. K651  
Keys.

## The "Stronghold" Padlocks.

Shackle: Malleable Iron.

List No.	Size.	Case.	Shackle.	Price, each.
651	2 $\frac{1}{2}$ in.	Steel, Ivory Black	Brass Plated	1/-
651 $\frac{1}{2}$ *	1 $\frac{1}{2}$ in.	Steel, Ivory Black	Brass Plated	1/6

\* With 12 in. of Steel Safety Chain.

## Nos. 813 and 814.

No. 76  
Keys.

## Yale "Standard" Padlocks (Solid Cast Bronze).

List No.	Size.	Tumblers.	Changes.	Case.	Shackle.	Price, each.
813	1 in.	3 Lever	48	Bronze	Bronze	3/6
814	1 in.	3 Lever	48	Bronze	Steel	5/-
823	1 $\frac{1}{4}$ in.	3 Lever	48	Bronze	Bronze	4/-
824	1 $\frac{1}{4}$ in.	3 Lever	48	Bronze	Steel	5/6
833	1 $\frac{1}{2}$ in.	3 Lever	48	Bronze	Bronze	4/6
834	1 $\frac{1}{2}$ in.	3 Lever	48	Bronze	Steel	6/-
843	1 $\frac{3}{4}$ in.	4 Lever	72	Bronze	Bronze	5/6
844	1 $\frac{3}{4}$ in.	4 Lever	72	Bronze	Steel	6/6
853	2 in.	4 Lever	144	Bronze	Bronze	6/-
854	2 in.	4 Lever	144	Bronze	Steel	7/-
863	2 $\frac{1}{4}$ in.	4 Lever	144	Bronze	Bronze	7/6
864	2 $\frac{1}{4}$ in.	4 Lever	144	Bronze	Steel	8/6
873	2 $\frac{1}{2}$ in.	4 Lever	144	Bronze	Bronze	10/6
874	2 $\frac{1}{2}$ in.	4 Lever	144	Bronze	Steel	12/-
893	3 in.	4 Lever	144	Bronze	Bronze	18/6
894	3 in.	4 Lever	144	Bronze	Steel	20/-
893 $\frac{1}{2}$	3 $\frac{1}{2}$ in.	4 Lever	144	Malleable Iron Bower-Barff.	Malleable Iron Case Hardened	19/-

## Nos. 853 and 854.

No. 78  
Keys.

Awards for Excellence of Machines and Tools:



## YALE PADLOCKS.

### Yale "Standard" Padlocks.

WITH 9 INCHES OF BRASS SAFETY CHAIN.

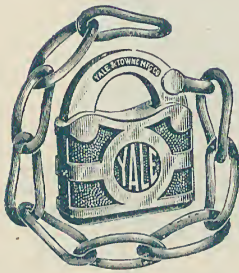
Nos. 8013, 8014, and 8023.



List No.	Size.	Tumblers.	Changes.	Case.	Shackle.	Price, each.
8013	1 in.	3 Lever	48	Bronze	Bronze	4/3
8014	1 in.	3 Lever	48	Bronze	Steel	7 6
8023	1 1/4 in.	3 Lever	48	Bronze	Bronze	4/6
8024	1 1/4 in.	3 Lever	48	Bronze	Steel	5 9

WITH 9 INCHES OF GALVANISED IRON CURB CHAIN.

Nos. 8033 and 8034.



8033	1 1/2 in.	3 Lever	48	Bronze	Bronze	5/6
8034	1 1/2 in.	3 Lever	48	Bronze	Steel	6/6
8043	1 3/4 in.	4 Lever	72	Bronze	Bronze	5/9
8044	1 3/4 in.	4 Lever	72	Bronze	Steel	7/-
8053	2 in.	4 Lever	144	Bronze	Bronze	6/6
8054	2 in.	4 Lever	144	Bronze	Steel	8/-
8063	2 1/4 in.	4 Lever	144	Bronze	Bronze	8 3
8064	2 1/4 in.	4 Lever	144	Bronze	Steel	9 3
8073	2 1/2 in.	4 Lever	144	Bronze	Bronze	11/9
8074	2 1/2 in.	4 Lever	144	Bronze	Steel	13 -
8093	3 in.	4 Lever	144	Bronze	Bronze	19 6
8094	3 in.	4 Lever	144	Bronze	Bronze	21/-
8093 1/2	3 1/2 in.	4 Lever	144	Mal. Iron Bower-Barff.	Mal. Iron Case Hardened	20/-

### Yale Pin-Tumbler Padlocks.

Cast Bronze. With two Paracentric Keys.

These Padlocks are constructed on the YALE system, with five Pin-Tumblers and two Yale Paracentric Keys to each lock.

2 INCH SIZE.				2 1/2 INCH SIZE.			
List No.	Shackle.	Pin Tumblers.	Price, each.	List No.	Shackle.	Pin Tumblers.	Price, each.
850	Steel, Nickel Plated	5	8/3	870	Steel, Nickel Plated	5	13/-
850 1/2	Bronze	5	10/3	870 1/2	Bronze	5	15 6
8050	Steel, Nickel Plated	5	9/6	8070	Steel, Nickel Plated	5	13/-
8050 1/2	Bronze	5	13/-	8070 1/2	Bronze	5	14/6

MASTER-KEYED.

**No. 851 Line.** Any number of Locks up to 1,000 can be furnished, with keys all different and all controlled by one Master Key. Fifteen different series of locks can also be furnished, each with a different Master Key controlling all of the locks in the series, no two locks in the entire series having individual keys alike, and, if desired, the entire sixteen series may be controlled by a grand Master Key.

851	Steel, Nickel Plated	6	9/-	871	Steel, Nickel Plated	6	13/-
851 1/2	Bronze	6	11/6	871 1/2	Bronze	6	16/6
8051	Steel, Nickel Plated	6	11/-	8071	Steel, Nickel Plated	6	15 6
8051 1/2	Bronze	6	15/6	8071 1/2	Bronze	6	21/-

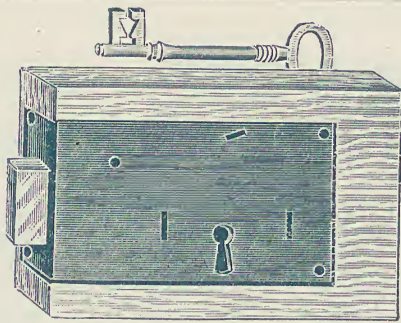
Nos. 850 and 870.

Cuts one-half size.

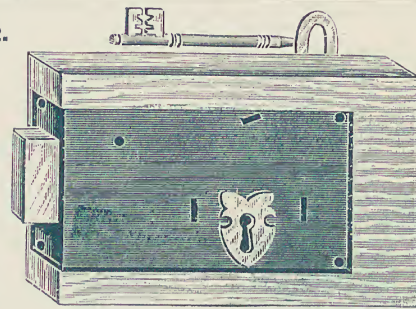


Bronze Medal, 1884.—Gold Medal, 1890.

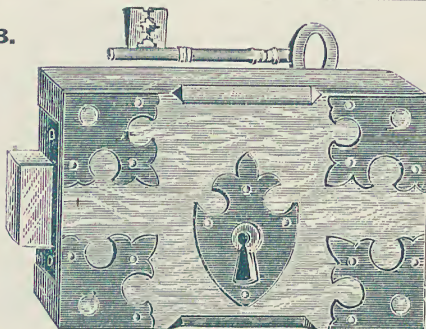


**PLATE LOCKS, SHOP DOOR LATCHES.****No. 1321.****Fine Ward Wood Plate Lock.**

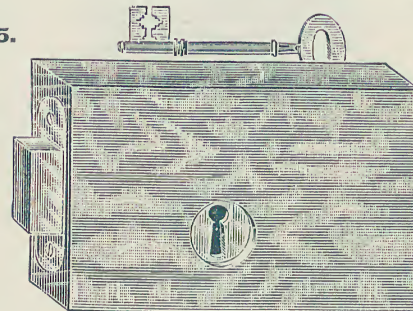
Size	6	7	8	9	10 in.
Price	1/6	1/8	1/10	2/3	2/9 each.

**No. 1322.****Strong Double Bushed Plate Lock.**

Size	6	7	8	9	10 in.
Price	2/-	2/3	2/6	3/-	3/6 each.

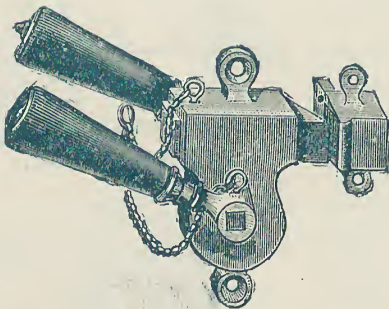
**No. 1323.****Improved Hand Made Church or Warehouse Door Lock.**

			Size	8	9	10 in.
<b>No. 1323.</b>	...	...		3/3	3/6	4/- each.
<b>„ 1324.</b>	Brass Bushed, Brass Solid	Wards, extra strong		6/-	7/-	8/- each.

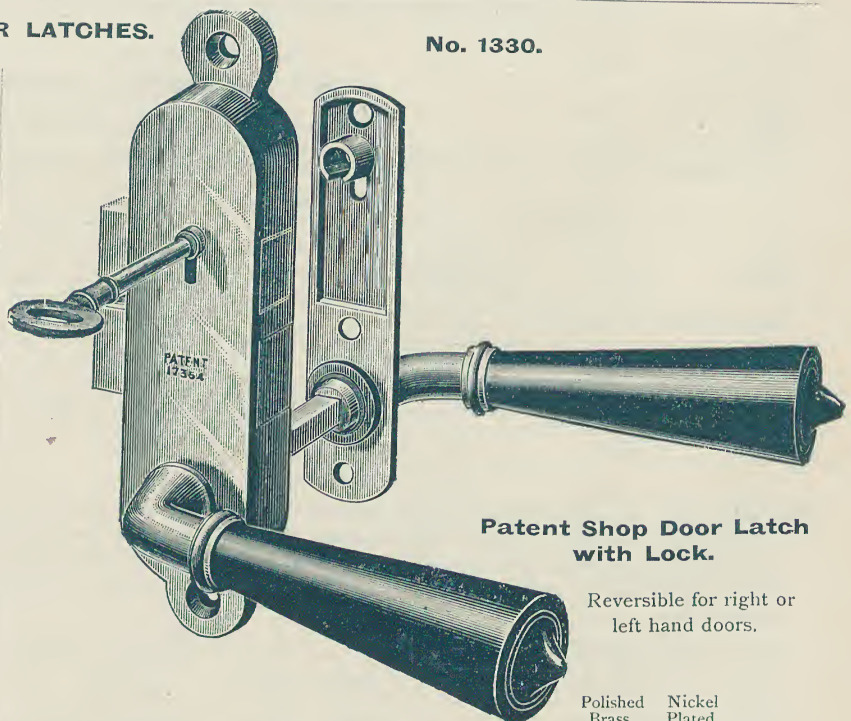
**No. 1325.****Patent Improved Double-Handed Plate Lock.**

Brass Bolts and Wards, very strong.

Size	8	9	10 in.
Price	4/6	5/-	5/6 each.

**SHOP DOOR LATCHES.****No. 1326.****No. 1326. Bronzed Iron Shop Door Latch and Handles, 6/6 each.****No. 1327. Ditto ditto with Ebonised Lever Handles, 7/6 each.****No. 1328. Nickel Plated Shop Door Latch and Ebonised Lever Handles, 9/- each.****No. 1329. Polished Brass ditto with Ebonised Lever Handles, 11/6 each.**

Complete with Screws.

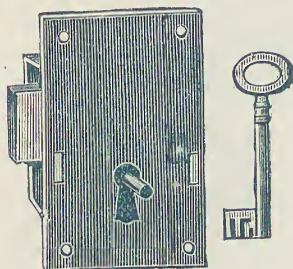
**No. 1330.****Patent Shop Door Latch with Lock.**

Reversible for right or left hand doors.

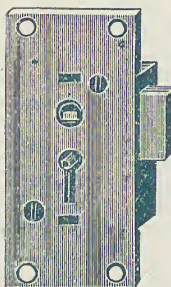
<b>No. 1330.</b>	With 2 Keys, Ebony Handles	...	Polished Brass.	Nickel Plated.	
<b>„ 1331.</b>	„ „ Polished Brass Handles	...	24/-	27/-	each.

**Awards for Excellence of Machines and Tools :**

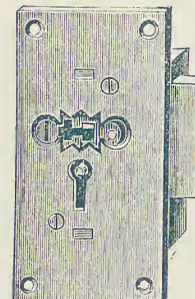


**IRON & BRASS CUPBOARD LOCKS, TILL & BOX LOCKS, Etc.****No. 1332.****Japanned Cupboard Locks.**

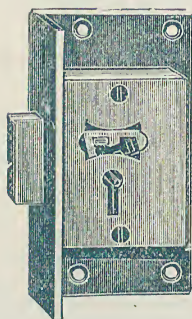
		Sizes			
		3	3½	4	in.
No. 1332.	Japanned ..	4/-	4/8	4/6	doz.
No. 1333.	Ditto, Strong ..	6/-	6/8	6/6	„
No. 1334.	Ditto, Brass Bolts	12/-	13/-	14/3	„
No. 1335.	Ditto, Lever with ditto ..	19/-	20/-	21/-	„

**No. 1338.****Brass Straight Cupboard Locks.**

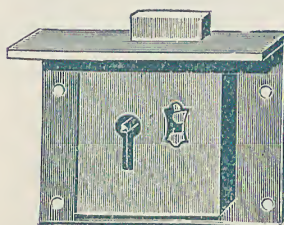
		Sizes						
		1½	2	2½	3	3½	4	in.
No. 1336.	1 Wheel	8/9	9/6	10/-	11/-	13/3	17/-	
No. 1337.	Best Tumbler	11/6	12/3	13/-	14/3	17/9	21/-	
No. 1338.	1-Lever ..	16/6	17/-	17/9	21/-	26/6	33/-	
No. 1339.	2-Lever ..	17/9	18/3	18/9	19/3	27/6	35/-	per doz.

**No. 1340.****Brass Straight Cupboard Locks.**

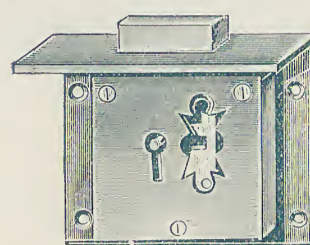
		Sizes						
		1½	2	2½	3	3½	4	in.
No. 1340.	2-Lever	21/-	21/6	22/-	23/6	24/3	31/-	
No. 1341.	4-Lever	25/6	26/-	26/6	27/6	33/-	38/-	
No. 1342.	4-Lever } Pin Key	29/-	30/-	31/-	32/-	37/-	43/-	per doz.

**No. 1343.****Brass Cut Cupboard Locks.**

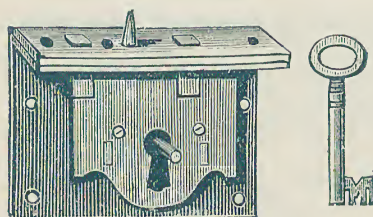
		Sizes				
		2	2½	2½	3	3½ in.
No. 1343.	1-Lever	12/3	12/9	13/3	14/6	20/- doz.
No. 1344.	2-Lever	13/6	14/3	14/6	15/6	21/- „
No. 1345.	4-Lever	24/-	24/6	27/-	29/-	37/- „

**No. 1349.****Brass Till Locks.**

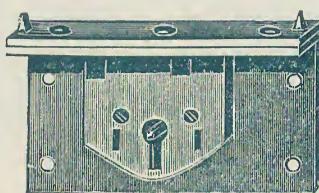
		Sizes						
		1½	2	2½	2½	2½	3	in.
No. 1346.	Iron Cap	7/9	8/3	9/-	10/-	10/6	11/-	doz.
No. 1347.	Brass Cap	10/-	11/-	11/6	12/6	13/6	14/6	„
No. 1348.	1-Lever	12/6	13/-	13/6	14/-	14/9	19/-	„
No. 1349.	2-Lever	19/9	21/-	21/6	22/-	23/6	24/6	„

**No. 1350.****Brass Till Locks.**

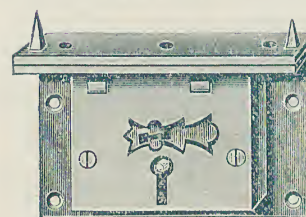
		Sizes				
		2	2½	2½	2½	3 in.
No. 1350.	1-Lever ..	21/-	22/-	23/-	24/-	25/- doz.
No. 1351.	2-Lever ..	23/-	24/-	25/-	26/-	27/6 „
No. 1352.	4-Lever ..	26/6	29/-	30/-	31/-	32/- „
No. 1353.	4-Lever, to Spring	2/9	2/9	3/-	3/3	3/9 each.

**No. 1354.****Iron Chest Locks.**

		Sizes			
		2½	3	3½	4 in.
No. 1354.	Common ..	7/9	9/-	9/6	— doz.
No. 1355.	Strong ..	—	11/-	12/6	— „
No. 1356.	Tool Chest, to Spring	—	—	—	2/9 each.

**No. 1357.****Brass Box Locks.**

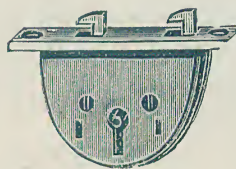
		Sizes				
		1½	2	2½	2½	3 in.
No. 1357.	Tumbler ..	11/-	11/-	11/6	13/6	14/6
No. 1358.	Extra Strong	20/-	21/-	22/-	—	31/-

**No. 1359.****Brass Box Locks.**

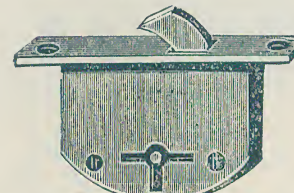
		Sizes			
		1½	2	2½	3 in.
No. 1359.	2-Lever	21/-	21/6	22/-	24/6 doz.
No. 1360.	4-Lever	25/6	26/6	27/6	29/-

**No. 1361.****Brass Jewel Case Locks.**

		Sizes				
		1½	1½	2	2½	2½ in.
Price		10/-	10/6	11/-	12/3	13/6 doz.

**No. 1362.****Brass Camp Desk Locks.**

		Sizes			
		1½	2	2½	2½ in.
No. 1362.		15/6	15/6	16/6	18/- doz.
No. 1363.		18/-	18/-	19/-	20/- „

**No. 1364.****Hook Bolt Cupboard Locks.**

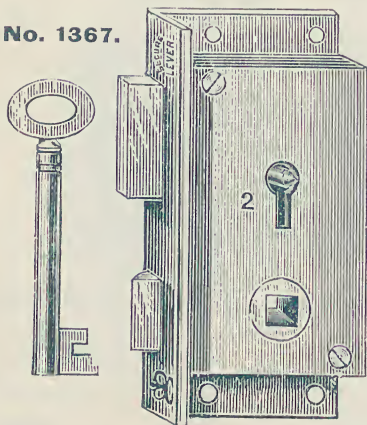
		Sizes			
		2	2½	2½	3 in.
No. 1364.	1-Lever	24/6	25/6	26/6	27/6 doz.
No. 1365.	2-Lever	27/6	29/-	30/-	31/- „

Bronze Medal, 1884.—Gold Medal, 1890.



# WARDROBE AND BRASS AND IRON PADLOCKS.

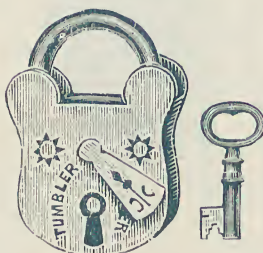
No. 1367.



Brass Wardrobe Locks.

Size ...  $3\frac{1}{2}$  in.  
 No. 1366. 1-Lever ... 2/- each.  
 „ 1367. 2-Lever ... 2/6 „

No. 1368.



Brass Padlocks.

Sizes  $1\frac{1}{4}$   $1\frac{1}{2}$   $1\frac{3}{4}$  2 in.  
 Price 6/- 7/- 9/- 11/- doz.

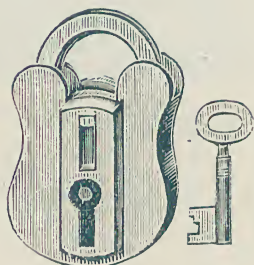
No. 1369.



Brass Padlocks.

Sizes  $1\frac{1}{4}$   $1\frac{1}{2}$   $1\frac{3}{4}$  2 in.  
 Price 7/- 8/- 11/6 15/6 doz.

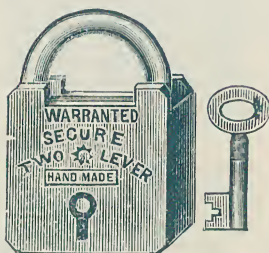
No. 1370.



Lever Brass Padlocks.

Sizes  $1\frac{1}{4}$   $1\frac{1}{2}$   $1\frac{3}{4}$  2  $2\frac{1}{4}$   $2\frac{1}{2}$  in.  
 Price 1/2 1/3 1/9 2/- 2/3 3/3 each.

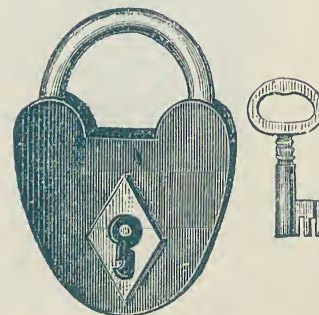
No. 1371.



2-Lever Brass Padlocks.

Sizes  $1\frac{1}{4}$   $1\frac{1}{2}$   $1\frac{3}{4}$  2 in.  
 Price 1/9 2/- 2/3 3/- each

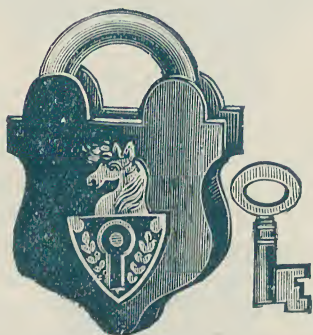
No. 1372.



Cheap Japped Padlocks.

Sizes  $1\frac{3}{4}$  2  $2\frac{1}{4}$   $2\frac{1}{2}$  in.  
 Price 8/6 9/6 10/6 11/- doz.

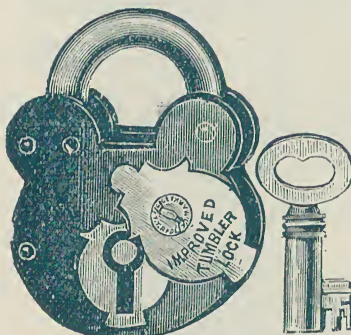
No. 1373.



Japped Padlocks.

Sizes  $1\frac{3}{4}$  2  $2\frac{1}{4}$   $2\frac{1}{2}$   $2\frac{3}{4}$  in.  
 Price 10/- 10/- 11/- 12/6 14/- doz.

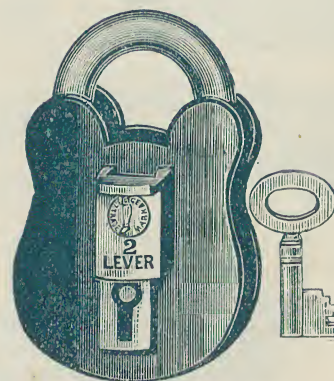
No. 1374.



Strong Japped Padlocks.

Sizes  $1\frac{3}{4}$  2  $2\frac{1}{4}$   $2\frac{1}{2}$   $2\frac{3}{4}$  in.  
 Price 1/2 1/4 1/9 2/- 2/3 each.

No. 1375.



2-Lever Japped Padlocks.

Sizes  $1\frac{3}{4}$  2  $2\frac{1}{4}$   $2\frac{1}{2}$   $2\frac{3}{4}$  in.  
 Price 11/11 11/13 15/18 1/8 doz.

Awards for Excellence of Machines and Tools:



# TOWER, BARREL, CUPBOARD, MONKEY TAIL BOLTS, Etc.

No. 1376.

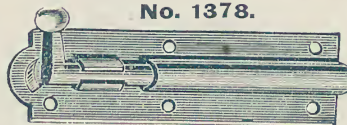


Japanned Tower Bolts.

Sizes ... 4 5 6 7 8 9 10 12 15 18 24 30 36 in.

No. 1376. Tower Bolt, Straight	...	2 9	3 6	4 4	4 9	5 6	6 6	6 9	8 -	—	—	—	—	—	—	doz
" 1377. Ditto ditto Necked	...	4 -	4 9	5 6	6 6	6 9	7 6	8 -	9 6	—	—	—	—	—	—	"
" 1378. Brass Knob Barrel Bolt	4 -	5 -	6 -	7 -	8 -	9 -	10 -	11 -	15 -	18 -	24 -	34 -	40 -	—	—	"

No. 1378.



Brass Knob Barrel Bolts.

No. 1379.



Brown Bronzed Bolts.

3	3 1/2	4	5 in.
3 -	3 -	3 3	4 - doz.
Straight or Necked.			
Same price.			

No. 1380.

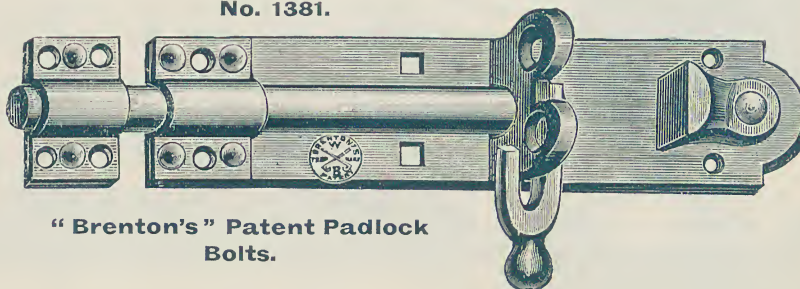


Bright Square Spring Cupboard Bolts.

Sizes 3 3 1/2 4 5 6 in.

Straight or Necked 2/3 2/9 3 - 4/6 6 - doz.

No. 1381.

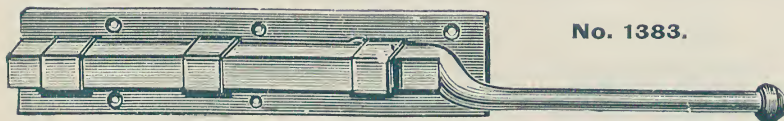


"Brenton's" Patent Padlock Bolts.

Sizes ... 6 7 8 9 10 12 14 16 in.

No. 1381. Japanned	1/1	1/2	1/3	1/4	1/6	1/9	2 -	2/3	each.
" 1382. Galvanized	1/3	1/4	1/6	1/8	1/10	2 -	2/6	2 9	"

No. 1383.

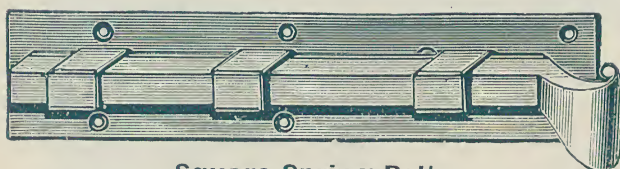


Monkey Tail Bolts.

For Warehouse Doors, etc.

Sizes	18	24	30	36	42	48 in.
3/4-in. Bolts	2/6	3 -	4 -	4 9	5 6	6 - each.

No. 1384.



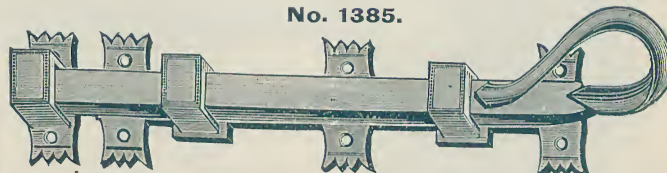
Square Spring Bolts.

For Stable Doors, etc.

Sizes 8 10 12 15 18 in.

3/4-in. Square Bolt, Straight	1/1	1 3	1 6	2 -	2 6	each.
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No. 1385.

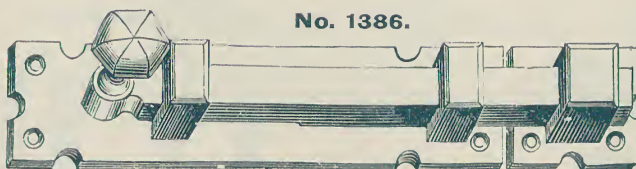


Berlin Black Gothic Bolts.

Width of Plate, 2 1/2-in.

Sizes	10	12	15	18	24 in.
Price	3/9	4 9	5 6	6 -	7 6 each.

No. 1386.

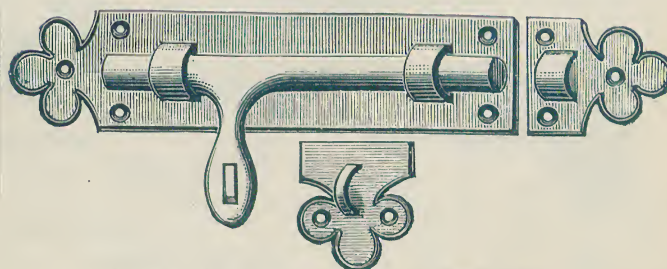


Berlin Black Gothic Bolts.

Width of Plate, 2 1/2-in.

Sizes	8	10	12	15	18	21	24	27	30	36 in.
Price	2 6	3 6	3 9	4 3	5 -	5 6	5 9	6 3	7 6	8 9 each.

No. 1387.

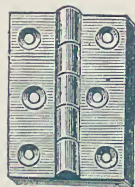


Berlin Black Reversible Hasp Bolt.

Plate, 10 x 2 1/2. Price 5 - each.

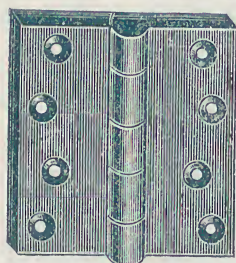
Bronze Medal, 1884.—Gold Medal, 1890.



**CAST BUTTS, BACK FLAPS, TABLE HINGES, Etc.****No. 200.****No. 1388.  
Cast Iron Butts.**

	Best Quality.										Polished Joints.
Sizes	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6 in.
<b>No. 200.</b>	1/2	1/4	1/6	2	2/6	3/6	4/3	5/3	9/-	10/-	14/6
" <b>333.</b>	1/4	1/6	1/8	2/4	3/-	4/-	5/-	6/3	10/-	11/-	16/-
" <b>564.</b>	—	—	—	3/-	4/-	5/-	6/-	7/6	9/6	13/6	18/6

per doz. pairs.

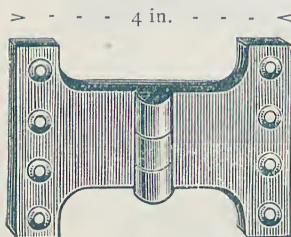
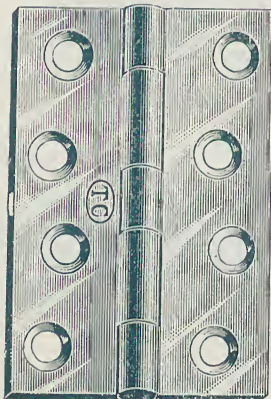
**No. 1389.  
Best Cast Broad Butts.**

Highly Polished Joints.

Edge or zigzag holes same price.

<b>No. 200.</b> Cast—								
Sizes	3 × 3	3 × 3½	3½ × 3½	3½ × 4	4 × 4	4 × 4½	4 × 5 in.	
Price	5/-	6/-	7/-	7/6	9/-	11/-	12/6	
<b>No. 564.</b> Cast—								
Sizes	3 × 3	3 × 3½	3½ × 3½	3½ × 4	4 × 4	4 × 4½	4 × 5 in.	
Price	6/9	7/9	8/9	10/6	12/-	14/-	15/6	
per doz. pairs.								

per doz. pairs.

**No. 1399.****Wrought Cold Rolled Steel  
Butts. (Very strong.)**

Sizes	2	2 1/2	3	3 1/2	4	5 in.
Price	4/3	5/6	7/3	9/6	12/-	20/- doz. prs.

**No. 1401.****Counter Flap Hinges.**

<b>No. 1400.</b> Best Lancashire Wrought—										
Sizes	4 × 1 $\frac{1}{4}$	4 $\frac{1}{2}$ × 1 $\frac{1}{2}$	5 × 1 $\frac{3}{4}$	6 × 2 in.						
Price	1/9	2/-	2/9	3/9	per pair.					
<b>No. 1401.</b> Malleable Berlin Black—										
Sizes	4 × 1 $\frac{1}{4}$	4 $\frac{1}{2}$ × 1 $\frac{1}{4}$	5 × 1 $\frac{3}{4}$	6 × 2 in.						
Price	1/4	1/8	2/-	per pair.						

**No. 1393.****Parliament, or Shutter Hinges.**

Can have loose or fast Joints.

<b>No. 1393.</b> Cast—									
To open	...	4	4½	5	6	in.			
Joint ...	...	2	2¼	2½	3	"			
Price ...	...	7/6	9/6	10/6	14/-	per doz. pairs.			
<b>No. 1394.</b> Lancashire Wrought—									
To open	...	4	4½	5	6	in.			
Joint ...	...	2	2¼	2½	3	"			
Price	...	1/9	2/3	2/6	2/9	per pair.			

**No. 1395.****Back Flap Hinges.****No. 1395. Pressed Steel—**

Sizes	1	1 1/4	1 1/2	1 3/4	2 in.
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Price 1/- 1/3 1/6 1/9 2/- doz. pairs.

**No. 1396. Wrought—**

Sizes	1	1 1/4	1 1/2	1 3/4	2 in.
-------	---	-------	-------	-------	-------

Price 1/6 2/- 2/6 3/6 4/- doz. pairs.

**No. 1397. Cast Iron—**

Sizes	1	1 1/4	1 1/2	1 3/4	2 in.
-------	---	-------	-------	-------	-------

Price 3/9 4/6 5/3 6/9 9/- doz. pairs.

**No. 1402.****Table Hinges.****No. 1402. Wrought—**

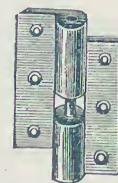
Sizes	1	1 1/4	1 1/2	1 3/4	2 in.
-------	---	-------	-------	-------	-------

Price 4/- 4/6 5/6 6/6 9/- doz. pairs.

**No. 1402a. Cast Iron—**

Sizes	1	1 1/4	1 1/2	1 3/4	2 in.
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Price 1/9 2/3 3/- 4/- 5/- doz. pairs.

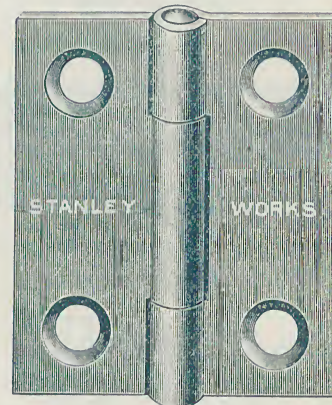
**No. 1390.**Shown  
right hand.**Lifting Butts.**

Loose Pin Butts same price.

<b>No. 200</b> Cast—							
Sizes	1½	2	2½	3	3½	4	in.
Price	1/9	2/3	2/9	3/9	4/6	6/-	doz. prs.
<b>No. 333.</b> Cast—							
Sizes	1½	2	2½	3	3½	4	in.
Price	2/-	2/9	3/6	4/6	6/-	7/-	doz. prs.
<b>No. 1390.</b> Wrought—							
Sizes	1½	2	2½	3	3½	4	in.
Price	3/6	5/-	7/-	10/-	13/-	16/-	doz. prs.

**No. 1391.**Shown  
right hand.**Skew, or Rising Butts.**

<b>No. 1391.</b> Best Cast—									
$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	in.			
9/-	11/-	13/-	16/-	20/-	24/-	doz. prs.			
<b>No. 1392.</b> New Skew Butts—									
$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	in.			
11/-	13/6	16/6	21/-	25/-	29/-	doz. prs.			

**No. 1398.****Narrow Pressed Steel Butts.**

Sizes	2	2 1/2	3	3 1/2	4 in.
Price	2/-	2/6	4/-	5/-	6/6

**No. 1403.****Pew Hinges.**

Japanned.

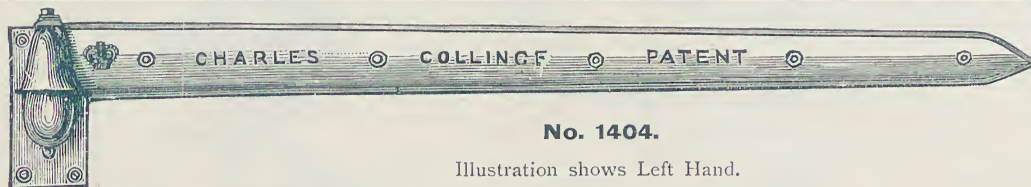
Sizes in clear	1 1/4	1 1/2	1 3/4	2	2 1/2 in.
Price	...	5/-	5/-	5/6	6/- 6/6 per doz.

**Awards for Excellence of Machines and Tools:**



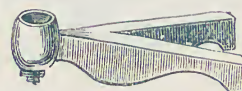
### COLLINGE'S PATENT SPHERICAL GATE HINGES.

These Hinges are fitted with a Ball-shaped Pin, and the Step or Hook has a Cup for its reception; this arrangement permits of considerable obliquity in the axis of the Hinge, and allows for all ordinary variations, without losing the smooth and easy action. Besides forming a bearing for the Ball, this Cup furnishes a receptacle for Oil around it, and being covered by the lip of the knuckle fitted with a Leather Washer, dirt and grit, and even the oxidising influences of air and moisture are excluded. To maintain the durability of the Hinge, the Ball and Cup are formed with surfaces so hard as to be almost incapable of wear, or of grinding into each other, thereby preventing the slightest stiffness of action.



No. 1404.

Illustration shows Left Hand.

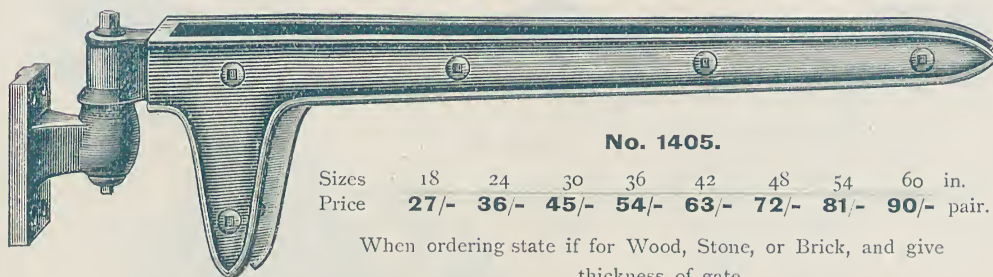


Cup for Stone.

Length of Strap.	Price per pair.	Length of Strap.	Price per pair.	Length of Strap.	Price per pair.	Length of Strap.	Price per pair.
ft. in.		ft. in.		ft. in.		ft. in.	
1 6 ...	7 -	3 0 ...	15 -	4 6 ...	25 -	7 0 ...	41 -
1 9 ...	8 -	3 3 ...	17 -	4 9 ...	26/6	7 6 ...	44 -
2 0 ...	9 -	3 6 ...	19 -	5 0 ...	28 -		
2 3 ...	10/6	3 9 ...	20/6	5 6 ...	32/6		
2 6 ...	12 -	4 0 ...	22 -	6 0 ...	35/6		
2 9 ...	13/6	4 3 ...	23/6	6 6 ...	38 -		

If Cups for Stone add 1/3 pr. extra.  
Astragal Bolts and Round Drilled  
Nuts, 4/3 per doz. extra.

### COLLINGE'S DOUBLE STRAP HINGES FOR PARK GATES, Etc.

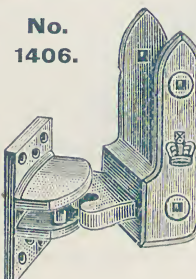


No. 1405.

Sizes	18	24	30	36	42	48	54	60 in.
Price	27/-	36/-	45/-	54/-	63/-	72/-	81/-	90/- pair.

When ordering state if for Wood, Stone, or Brick, and give thickness of gate.

No. 1405 shows Top Hinge with Cup for Wood Posts.  
No. 1406 shows Bottom Self-Closing Hinge with Prong for Stone Piers.

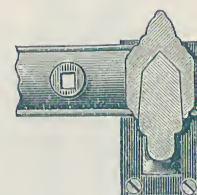


No. 1406.

### REDMUND'S IMPROVED GATE HINGES.



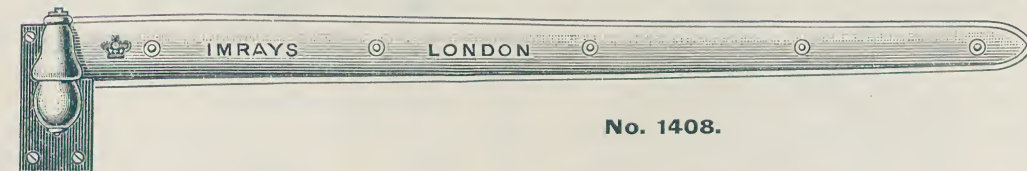
No. 1407.



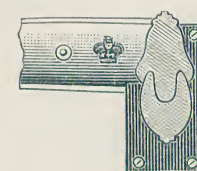
Length of Strap.	Price per pair.	Length of Strap.	Price per pair.	Length of Strap.	Price per pair.	Length of Strap.	Price per pair.
ft. in.		ft. in.		ft. in.		ft. in.	
1 6 ...	7/6	3 0 ...	16 -	4 6 ...	30 -	6 0 ...	42 -
1 9 ...	8/6	3 3 ...	18/3	4 9 ...	32 -	6 3 ...	43/6
2 0 ...	10 -	3 6 ...	20 -	5 0 ...	35 -	6 6 ...	44/6
2 3 ...	11/6	3 9 ...	22 -	5 3 ...	36/6	6 9 ...	46 -
2 6 ...	13/6	4 0 ...	24 -	5 6 ...	38 -	7 0 ...	47/6
2 9 ...	15 -	4 3 ...	28 -	5 9 ...	40 -		

If with Prongs for Stone, 1/3 per pair extra.

### IMRAY'S IMPROVED CUP AND BALL HINGES.



No. 1408.

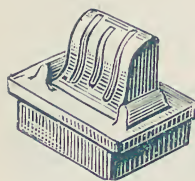


Length of Strap.	Price per pair.	Length of Strap.	Price per pair.	Length of Strap.	Price per pair.	Length of Strap.	Price per pair.
ft. in.		ft. in.		ft. in.		ft. in.	
1 6 ...	6/6	3 0 ...	13 -	4 6 ...	22/6	6 0 ...	35 -
2 0 ...	8/6	3 6 ...	16 -	5 0 ...	27 -	6 6 ...	40 -
2 6 ...	11 -	4 0 ...	19/6	5 6 ...	31/6	7 0 ...	43 -

If with Prongs for Stone, 1/3 per pair extra.

Bronze Medal, 1884.—Gold Medal, 1890.

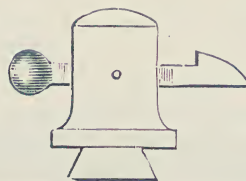


**GATE STOPS, CATCHES, STRIKERS, SPRING HINGES.**

**No. 1409.**  
**Self-Acting Rising and  
Falling Gate Stop.**

$3\frac{1}{2} \times 3\frac{1}{2}$ ...	...	...	4/6
$7\frac{1}{2} \times 6\frac{1}{4}$ ...	...	...	8/6
$9\frac{1}{2} \times 7\frac{1}{2}$ ...	...	...	11/6
$12 \times 8\frac{3}{4}$ ...	...	...	17/-

Special size, extra strong.  
 $10\frac{1}{4} \times 7\frac{1}{4}$ ... .. 13/6



**No. 1410.**

**Catch.**

For  
Stone.

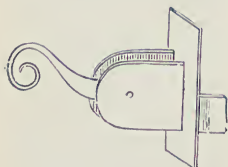
6/9 and 8/9  
each.



**No. 1411.**

**Catch.**

For Wood, 4/6 and 6/6 each.  
Very heavy, 12/-



**No. 1412.**

**Latch.**

8/- each, with  
Striking Plate.

To Lock,  
16/6



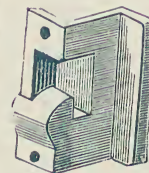
**No. 1413.**

**Catch.**

14/6 each, with Catch.

To Lock.

18/6



**No. 1414.**

**Striker.**

For Wood.

3/9 each.



**No. 1415.**

**Striker.**

For Wood.

Price 2/6 each.



**No. 1416.**

**Striker.**

For Stone.

Price 3/- each.



**No. 1417.**

**Striker.**

For Wood.

Price 2/6 each.



**No. 1418.**

**Striker.**

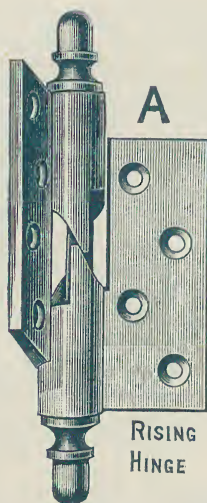
For Stone. Price 3/9 each.

**REDMUND'S PATENT SPRING RISING HINGES.**

All Hinges work on steel joints.

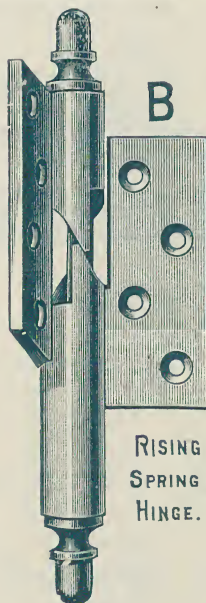
Please state hand for odd Hinges.

Illustrations A, B, and D are left hand.



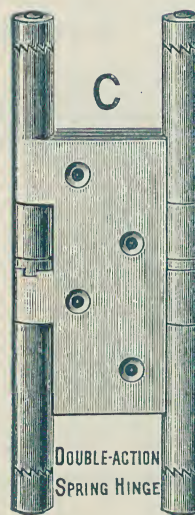
**RISING  
HINGE**

Size.	A IRON.	Per pair.
3-in., with Tips	...	1/4
$3\frac{1}{2}$ -in., with Tips	...	2/-
$3\frac{3}{4}$ -in., with Tips, for $1\frac{1}{2}$ -in. doors, light	...	2/9
4-in., Plain, for 2-in. doors, light	...	2/9
Ditto, with Tips	...	3/3
$4\frac{1}{2}$ -in., for $1\frac{1}{2}$ -in. doors, stronger	...	3/9
For 2-in. doors	...	4/6
5-in., for 2-in. doors, very strong	...	5/9
For $2\frac{1}{2}$ -in. doors	...	6/6
$5\frac{1}{2}$ -in.	...	8/-
6-in.	...	9/6



**RISING  
SPRING  
HINGE.**

Size.	B IRON.	Per pair.
$3\frac{3}{4}$ -in., for $1\frac{1}{2}$ -in. doors, light	...	4/9
4-in., for 2-in. doors, light	...	5/6
$4\frac{1}{2}$ -in., for $1\frac{1}{2}$ -in. doors, strong	...	6/-
$4\frac{1}{2}$ -in., for 2-in. doors, strong	...	6/9
$4\frac{3}{4}$ -in., for $1\frac{1}{2}$ -in. doors, stronger	...	8/-
$4\frac{3}{4}$ -in., for 2-in. doors, stronger	...	8/9
To project $2\frac{1}{2}$ in.	...	10/-
5-in., for 2-in. doors, very strong	...	10/9
5-in., for $2\frac{1}{2}$ -in. doors, very strong	...	12/-
$5\frac{1}{2}$ -in.	...	14/6
6-in.	...	16/6

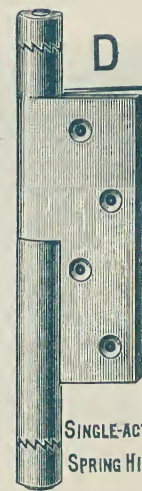


**DOUBLE-ACTION  
SPRING HINGE**

**C IRON.**

(One spring and one blank.)

Size.	Per pair.
$2\frac{1}{2}$ -in.	13/6
3-in.	14/9
$3\frac{1}{2}$ -in.	16/-
4-in.	17/6
4-in. ex.	18/9
$4\frac{1}{2}$ -in.	21/-



**SINGLE-ACTION  
SPRING HINGE.**

**D IRON.**

Size.	Each.
$2\frac{1}{2}$ -in.	3/6
3-in.	3/9
$3\frac{1}{2}$ -in.	4/-
4-in.	4/6
$4\frac{1}{2}$ -in.	4/9
5-in.	5/6
6-in.	7/9

**Awards for Excellence of Machines and Tools:**



## IMPROVED LEVER BOLT,

As used for all kinds of single or double Entrance and Coachhouse Gates, Main Doors of Public Buildings, Theatres, and Government Offices, etc.

It will be seen in our illustration, that by the simple operation of moving the handle to an angle of about 45 degrees, it is possible for a child to fasten or release the three bolts, a great improvement from the old style of securing gates.

The dotted lines A show an extension of the Top Bar for the purpose of further securing a pair of gates, and it will be seen that this addition gives both a vertical and horizontal grip to the second gate.

The Top and Bottom Bars can be cranked to any angle, either way, to suit any make of doors, and should it be required only to shoot one or two ways, the middle bolt or the top one from B could be omitted.

Letter C on sketch shows Keyhole of Yale Patent Lock, which can be fitted if desired, but any lock can be used to suit requirements.

For inside doors and positions where the bolt would be exposed to view, and to harmonise with elaborate surroundings, we suggest that the box and guides be made in brass, polished, and the handle of burnished gun metal. This greatly adds to its already elegant appearance.

The construction is very simple, and the bolt also forms a strong binding stay for weak doors or gates.

### PRICES.

Made in 3 flat sizes,  $1\frac{1}{8} \times \frac{1}{2}$ ,  $1\frac{1}{2} \times \frac{3}{8}$ , and  $1\frac{1}{4} \times \frac{3}{8}$ , and in 3 round sizes 1-in.,  $\frac{7}{8}$ -in., and  $\frac{3}{4}$ -in. Any length.

<b>No. 1419.</b>	One Bolt, with iron case, guides, levers, and polished handle to shoot 3 ways, <b>55/-</b> ; to shoot 2 ways, <b>48/-</b>
<b>No. 1420.</b>	One Bolt, with brass case, guides, and handle, all bright, to shoot 3 ways, <b>77/-</b> ; to shoot 2 ways, <b>70/-</b>
<b>No. 1421.</b>	One Bolt, exactly the same as No. 1420, only highly polished, to shoot 3 ways, <b>90/-</b> ; to shoot 2 ways, <b>80/-</b>

### EXTRAS.

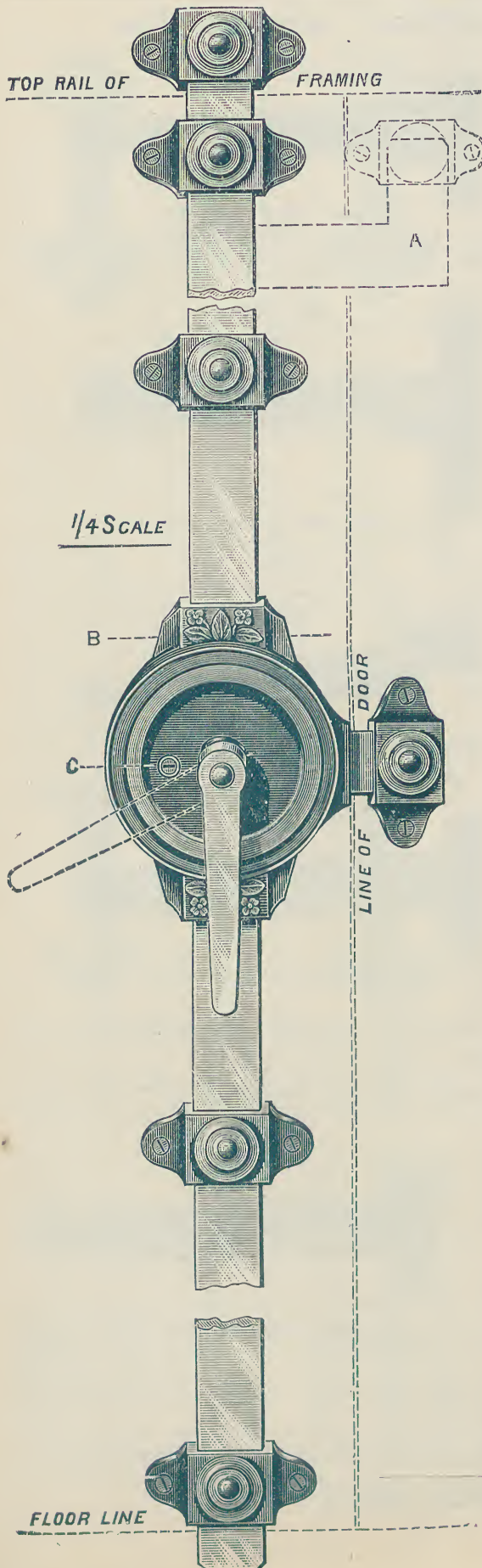
Circular instead of straight handles, at **9/-**, Iron; and **11/9**, Brass, each.  
Patent Yale Lock adapted and 2 Keys, **15/6** each.

*Particulars required when ordering:—Exact height of gates—whether gate has a top rail or not—If prong A is required—also state hand required—(drawing is left hand).*

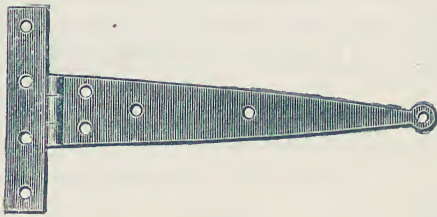
*A rough tracing to scale is preferable.*

*Architects and others will oblige by inserting our full name and address in their specifications. Full size mounted sample will be sent for inspection, if desired.*

**Bronze Medal, 1884.—Gold Medal, 1890.**





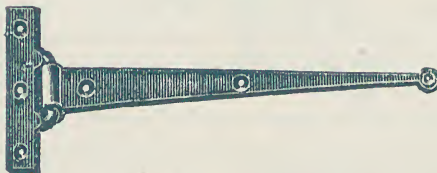
**CROSS GARNET HINGES, HOOKS AND HINGES, Etc.****No. 1426.****Cross Garnet Hinges.****No. 1426.** Japanned—

Sizes	6	8	10	12	14	16	18	20	24	30 in.
Price	2/9	3/-	3/6	3/9	4/9	6/3	9/3	11/6	14/6	25/-

**No. 1427.** Wrought Lancashire—

Sizes	8	10	12	14	16	18	20	24 in.
Price	4/6	5/-	6/3	7/9	10/6	16/-	21/-	29/-

per doz. pairs.

**No. 1430.****Loose Joint Cross Garnets.****No. 1430.** Japanned—

Sizes	6	8	10	12	14	16	18	20	22	24 in.
Price	2/6	3/3	5/3	7/9	9/6	14/-	16/6	18/6	20/-	26/-

**No. 1431.** Wrought Lancashire—

Sizes	8	10	12	14	16	18	20	22	24 in.
Price	4/-	4/6	5/6	6/6	9/-	13/-	17/-	21/-	25/-

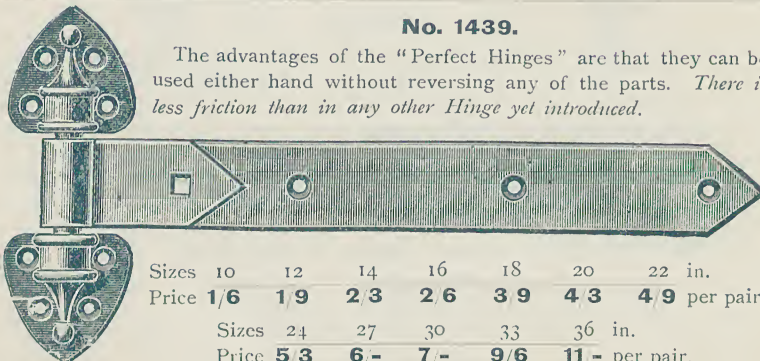
per doz. pairs.

**No. 1434.****No. 1435.****Bent and Straight Box Hinges.**

Sizes	4	5	6	8	10 in.
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**No. 1434 or 1435.** 5/- 6/- 7/- 9/- 11/- per doz. pairs.**No. 1439.**

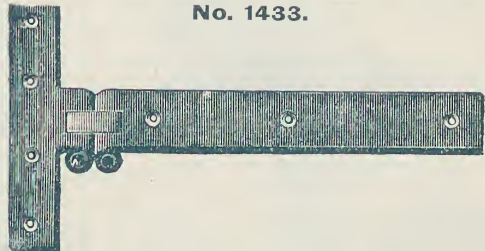
The advantages of the "Perfect Hinges" are that they can be used either hand without reversing any of the parts. *There is less friction than in any other Hinge yet introduced.*



Sizes	10	12	14	16	18	20	22 in.
Price	1/6	1/9	2/3	2/6	3/9	4/3	4/9 per pair.
Sizes	24	27	30	33	36 in.		
Price	5/3	6/-	7/-	9/6	11/-	per pair.	

**No. 1429.****Scotch Tee Hinges.**

Sizes	8	10	12	14	16	18	20	24 in.
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**No. 1429.** Japanned 4/- 4/9 5/9 7/- 9/- 11/- 13/6 19/- per doz. pairs.**No. 1433.****Wrought Cellar Flap Hinges.**

Sizes	10	12	14	16	18 in.
Price	4/6	5/6	8/6	11/-	13/- per pair.

**No. 1436.****Wrought Chest Hinges.**

Sizes	4	5	6	8	10 in.
Price	3/-	3/9	4/-	6/-	9/- per doz. pairs.

**No. 1437.****Wrought Japanned Hooks and Hinges.****No. 1437.** Japanned—

Sizes	8	10	12	14	16	18	20	24	30 in.
Price	1/2	1/6	1/9	2/3	2/6	3/-	4/6	5/9	7/6 per pair.

**No. 1438.** Wrought Welded—

Sizes	8	10	12	14	16	18	20	24	30 in.
Price	1/9	2/-	2/9	3/-	4/-	4/6	6/-	6/9	10/- per pair.

**No. 1440.****Japanned Gothic Hooks and Hinges.**

Sizes	8	10	12	14	16	18	20	24	30 in.
Price	1/3	1/9	2/-	2/3	2/6	2/9	3/6	4/6	7/9 per pair.

Wrought Double Strap Hinges for Heavy Gates made to any design, and prices quoted on receipt of Specification.

**Awards for Excellence of Machines and Tools:**



## BOLTS AND NUTS.



**No. 1442.**  
Cup head.  
Square neck.  
Square nuts.



**No. 1443.**  
Cheese head.  
Square neck.  
Square nuts.



**No. 1444.**  
Iron.  
Countersunk head.  
Square neck.  
Square nut.  
For wood.



**No. 1445.**  
Iron.  
Countersunk head.  
Square neck.  
Square nut.  
For iron.

The length of Cup and Cheese Head Bolts is taken from under the head to point, that of Countersunk over all.

Black Heads (per gross).					Best Bright Heads (per gross).				
Length.	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{8}$	Length.	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{8}$
2 in. long and under ...	5/6	6/6	9/6	12 -	2 in. long and under ...	6/6	7/6	10/6	12/-
2½ in. long and under ...	6/-	7/3	10/-	13 -	2½ in. long and under...	7/-	8/-	11/-	14/-
3 in. long and under ...	6/6	8/-	10/6	14 -	3 in. long and under ...	7/6	9/-	11/6	15/-
3½ in. long and under ..	7/-	8/6	11/6	15/-	3½ in. long and under...	8/-	9/6	12/6	16/-
4 in. long and under ...	7/6	9/6	12/6	16/-	4 in. long and under ...	8/6	10/6	13/6	17/-
4½ in. long and under ...	8/-	10/-	13/6	17/-	4½ in. long and under...	9/-	11/-	14/6	18/-
5 in. long and under ...	8/6	10/6	14/6	18/-	5 in. long and under ...	9/6	11/6	15/6	20/-
6 in. long and under ...	9/6	12/-	16/-	20/-	6 in. long and under ...	10/6	13/-	17/-	22/-

Per cwt.					Per cwt.						
Length.	$\frac{3}{8}$	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ up.	Length.	$\frac{3}{8}$	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ up.
2 in. long and under ...	—	—	35/-	34/-	33/-	2 in. long and under ...	—	—	42/-	37/-	35/-
2½ in. long and under...	—	—	35/-	34/-	33/-	2½ in. long and under }	—	—	40/-	35/-	34/-
3 in. long and under ...	—	—	34/-	33/-	32/6	3 in. long and under }	—	—	40/-	35/-	34/-
3½ in. long and under }	36/-	35/-	33/-	32/-	31/6	3½ in. long and under }	43/-	42/-	36/-	32/-	31/-
4 in. long and under }											
4½ in. long and under }											
5 in. long and under }	35/-	34/-	32/-	31/6	31/-	5 in. long and under }	42/-	40/-	34/-	31/-	30/-
6 in. long and under }						6 in. long and under }					



**No. 1447.**  
Square head.  
Round neck.  
Square nut.



**No. 1448.**  
Square head.  
Square neck.  
Square nut.



**No. 1449.**  
Hexagon head.  
Round neck.  
Hexagon nut.



**No. 1450.**  
Hexagon head.  
Square neck.  
Hexagon nut.

<b>No. 1447.</b> Black, Square, Round, Square.								<b>No. 1449.</b> Black, Hexagon, Round, Hexagon.							
Length under head to point.	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ up.	Length under head to point.	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ up.
2 in. long and under	Gross. 5/-	Gross. 6/-	Gross. 8/-	Gross. 10/-	Cwt. 31/-	Cwt. 30/-	Cwt. 29/-	2 in. long and under	Gross. 6/-	Gross. 7/-	Gross. 9/-	Gross. 11/-	Cwt. 37/-	Cwt. 32/-	Cwt. 31/-
2½ in. to 2¾ in. ...	5/6	6/6	8/6	11/-	30/- 28/- 27/-			2½ in. to 2¾ in. ...	6/6	7/6	10/-	12/-	34/- 31/- 29/-		
2¾ in. to 3 in. ...	—	—	—	—	30/- 28/- 27/-			2¾ in. to 3 in. ...	7/6	8/-	11/-	13/-	34/- 31/- 29/-		
3½ in. to 4½ in. ...	—	—	Cwt. 36/-	Cwt. 34/-	28/-	27/-	26/-	3½ in. to 4½ in. ...	—	—	Cwt. 43/-	Cwt. 40/-	32/-	29/-	27/-
4½ in. to 6 in. ...	—	—	34/-	32/-	26/-	25/-	24/-	4½ in. to 6 in. ...	—	—	40/-	37/-	30/-	27/-	25/-
6½ in. to 9 in. ...	—	—	31/-	29/-	24/-	22/-	20/-	6½ in. to 9 in. ...	—	—	38/-	35/-	28/-	25/-	24/-
Extra for Hexagon nuts	1/4	1/4	7/6	5/6	3/9	2/9	2/6	Extra for Hexagon nuts	1/-	1/-	5/6	5/6	3/9	2/9	2/9

<b>No. 1448.</b> Black, Square, Square, Square.								<b>No. 1450.</b> Black, Hexagon, Square, Hexagon.							
Length under head to point.	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ up.	Length under head to point.	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ up.
2 in. long and under	Gross. 6/-	Gross. 7/-	Gross. 8/6	Gross. 10/6	Cwt. 36/-	Cwt. 32/-	Cwt. 31/-	2 in. long and under	Gross. 8/-	Gross. 9/-	Gross. 12/-	Gross. 14/-	Cwt. 54/-	Cwt. 46/-	Cwt. 43/-
2½ in. to 2¾ in. ...	6/6	7/6	9/6	11/6	34/- 31/- 29/-			2½ in. to 2¾ in. ...	9/-	10/-	13/-	17/-	50/-	43/-	40/-
2¾ in. to 3 in. ...	7/6	8/-	10/6	12/6	34/- 31/- 29/-			2¾ in. to 3 in. ...	10/-	11/-	13/-	17/-	50/-	43/-	40/-
3½ in. to 4½ in. ...	—	—	Cwt. 37/-	Cwt. 35/-	32/-	29/-	28/-	3½ in. to 4½ in. ...	11/-	12/-	Cwt. 56/-	Cwt. 52/-	47/-	41/-	38/-
4½ in. to 6 in. ...	—	—	35/-	33/-	29/-	27/-	26/-	4½ in. to 6 in. ...	12/-	13/-	56/-	52/-	47/-	41/-	38/-
6½ in. to 9 in. ...	—	—	33/-	32/-	27/-	26/-	25/-	6½ in. to 9 in. ...	13/-	14/-	56/-	52/-	47/-	41/-	38/-
Extra for Hexagon nuts	1/4	1/4	7/6	5/6	3/9	2/9	2/6	Extra for Hexagon nuts	15/-	16/-	55/-	49/-	44/-	39/-	35/-
								6½ in. to 9 in. ...	21/-	21/-	50/-	47/-	43/-	38/-	34/-

Bronze Medal, 1884.—Gold Medal, 1890.



## PLOUGH BOLTS, BOLT ENDS, NUTS.

No. 1451.



No. 1452.



No. 1453.



No. 1454.



### PLOUGH BOLTS AND FINGER BOLTS.

With Square nuts, 2 in. long and under	$\frac{3}{8}$ 10/-	$\frac{7}{16}$ 11/-	$\frac{1}{2}$ 16/- per gross.
Extras for Hexagon nuts	1/9	2/-	2/6 per gross.
Extras for lengths above 2 in., per $\frac{1}{2}$ in. or fraction of $\frac{1}{2}$ in.	1/-	1/-	1/9 per gross.

No. 1455.



With Square nut.

### BOLT ENDS.

Per cwt.

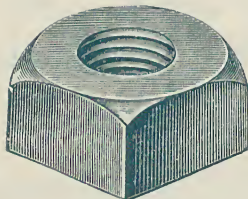
No. 1456.



With Hexagon nut.

Stock lengths	7	8	9	10	11	12	13	14	15	16	17	18	20 in.
Diameter	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$ and $1\frac{3}{4}$	$1\frac{7}{8}$ and 2 in.
No. 1455. With Square nuts	30/-	28/-	28/-	27/-	26/-	25/-	24/-	24/-	23/-	24/-	25/-	26/-	27/-
No. 1456. With Hexagon nuts	34/-	32/-	30/-	28/-	27/-	26/-	25/-	25/-	27/-	28/-	29/-	29/-	29/-

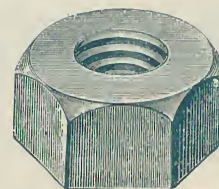
No. 1457.



### HAND AND MACHINE MADE NUTS.

—  
BLACK.  
—

No. 1459.



### Hand Made Nuts.

Sizes	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$ in.
	Gross.	Gross.	Gross.	Gross.	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.
No. 1457. Square, untapped	1/6	1/9	2/6	3/6	39/-	37/-	35/-	35/-	35/-	35/-	35/-	37/-	37/-
No. 1458. Square, tapped	2/-	2/6	3/6	4/6	45/-	43/-	41/-	41/-	41/-	41/-	41/-	42/-	42/-
No. 1459. Hexagon, untapped	3/6	4/-	4/6	5/-	56/-	50/-	43/-	43/-	43/-	43/-	43/-	46/-	46/-
No. 1460. Hexagon, tapped	4/-	4/6	5/6	6/6	65/-	57/-	47/-	47/-	47/-	47/-	47/-	52/-	52/-

### Machine Made Nuts.

Sizes	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$
	Gross.	Gross.	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.
No. 1461. Square, untapped	2/-	2/9	26/-	25/-	23/-	23/-	23/-	23/-	23/-	25/-	25/-
No. 1462. Square, tapped	2/6	4/6	32/-	29/-	28/-	28/-	28/-	28/-	28/-	33/-	33/-
No. 1463. Hexagon, untapped	3/-	3/6	35/-	32/-	29/-	29/-	29/-	29/-	29/-	30/-	30/-
No. 1464. Hexagon, tapped	4/6	5/6	41/-	36/-	34/-	34/-	34/-	34/-	34/-	35/-	35/-

WE HOLD A VERY LARGE STOCK OF ENGINEERS' BOLTS, SET SCREWS, Etc., in BRIGHT IRON,  
STEEL, BRASS, or MUNTZ METAL.

Awards for Excellence of Machines and Tools :



## IRON AND BRASS WOODSCREWS.

### GROSS STANDARD LIST OF PATENT POINTED IRON WOOD-SCREWS.

$\frac{1}{4}$ , $\frac{3}{8}$ , and $\frac{1}{2}$ Inch.		$\frac{5}{8}$ Inch.		$\frac{3}{4}$ Inch.		1 Inch.		$1\frac{1}{4}$ Inch.		$1\frac{1}{2}$ Inch.		$1\frac{3}{4}$ Inch.		2 Inch.	
No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.
1	£0 0 8 $\frac{1}{2}$	2	£0 0 9 $\frac{1}{2}$	3	£0 0 10	4	£0 1 0 $\frac{1}{2}$	5	£0 1 3 $\frac{1}{2}$	6	£0 1 6	7	£0 1 10 $\frac{1}{2}$	8	£0 2 0
2	0 0 8 $\frac{1}{2}$	3	0 0 9 $\frac{1}{2}$	4	0 0 10	5	0 1 1	6	0 1 4	7	0 1 6 $\frac{1}{2}$	8	0 1 11 $\frac{1}{2}$	9	0 2 1
3	0 0 8 $\frac{1}{2}$	4	0 0 9 $\frac{1}{2}$	5	0 0 11	6	0 1 1 $\frac{1}{2}$	7	0 1 5	8	0 1 7 $\frac{1}{2}$	9	0 1 11 $\frac{1}{2}$	10	0 2 2
4	0 0 8 $\frac{1}{2}$	5	0 0 10	6	0 1 0	7	0 1 2 $\frac{1}{2}$	8	0 1 5 $\frac{1}{2}$	9	0 1 8 $\frac{1}{2}$	10	0 2 0	11	0 2 4
5	0 0 9	6	0 0 11	7	0 1 1	8	0 1 3	9	0 1 6 $\frac{1}{2}$	10	0 1 9	11	0 2 2	12	0 2 8
6	0 0 9 $\frac{1}{2}$	7	0 1 0	8	0 1 1 $\frac{1}{2}$	9	0 1 3 $\frac{1}{2}$	10	0 1 7 $\frac{1}{2}$	11	0 1 11	12	0 2 4	13	0 3 0
7	0 0 11	8	0 1 1	9	0 1 2 $\frac{1}{2}$	10	0 1 4 $\frac{1}{2}$	11	0 1 9	12	0 2 1	13	0 2 8	14	0 3 4
8	0 1 0	9	0 1 2	10	0 1 3	11	0 1 6 $\frac{1}{2}$	12	0 1 11	13	0 2 4	14	0 3 0	15	0 3 8
9	0 1 1	10	0 1 3	11	0 1 4	12	0 1 7 $\frac{1}{2}$	13	0 2 1	14	0 2 8	15	0 3 4	16	0 4 0
10	0 1 2	11	0 1 4	12	0 1 5 $\frac{1}{2}$	13	0 1 10	14	0 2 4	15	0 3 0	16	0 3 8	17	0 4 5
11	0 1 3	12	0 1 5	13	0 1 8	14	0 2 0	15	0 2 8	16	0 3 4	17	0 4 0	18	0 4 9
12	0 1 4	13	0 1 8	14	0 1 10	15	0 2 3	16	0 3 0	17	0 3 8	18	0 4 5	19	0 5 2
13	0 1 8	14	0 1 10	15	0 2 2	16	0 2 7	17	0 3 3	18	0 4 0	19	0 4 9	20	0 5 6
14	0 1 10	15	0 2 2	16	0 2 6	17	0 2 10	18	0 3 7	19	0 4 5	20	0 5 2	21	0 5 11
15	0 2 2	16	0 2 6	17	0 2 10	18	0 3 2	19	0 4 0	20	0 4 9	21	0 5 6	22	0 6 4
16	0 2 6	18	0 3 2	18	0 3 2	19	0 3 7	20	0 4 5	21	0 5 2	22	0 5 11	—	—

$2\frac{1}{4}$ Inch.		$2\frac{1}{2}$ Inch.		3 Inch.		$3\frac{1}{2}$ Inch.		4 Inch.		5 Inch.		$5\frac{1}{2}$ Inch.		6 Inch.	
No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.
9	£0 2 5	10	£0 2 8	12	£0 4 0	14	£0 5 10	16	£0 8 1	18	£0 13 6	18	£0 16 0	20	£1 0 0
10	0 2 6	11	0 3 0	13	0 4 5	15	0 6 6	17	0 9 0	19	0 14 6	20	0 18 0	21	1 1 3
11	0 2 8	12	0 3 4	14	0 4 9	16	0 7 2	18	0 9 10	20	0 15 6	22	1 0 0	22	1 2 6
12	0 3 0	13	0 3 8	15	0 5 2	17	0 8 0	19	0 10 8	21	0 16 9	23	1 1 0	23	1 3 9
13	0 3 4	14	0 4 0	16	0 5 10	18	0 9 0	20	0 11 6	22	0 18 0	24	1 2 0	24	1 5 0
14	0 3 8	15	0 4 5	17	0 6 6	19	0 9 8	21	0 12 4	23	0 19 0	26	1 5 0	26	1 10 0
15	0 4 0	16	0 4 9	18	0 7 3	20	0 10 8	22	0 13 0	24	1 0 0	28	1 10 0	28	1 15 0
16	0 4 5	17	0 5 2	19	0 7 11	21	0 11 10	23	0 13 8	25	1 1 0	30	1 15 0	30	2 0 0
17	0 4 9	18	0 5 6	20	0 8 7	22	0 12 4	24	0 14 4	26	1 2 0	32	2 0 0	32	2 5 0
18	0 5 2	19	0 5 11	21	0 9 4	23	0 13 0	25	0 15 6	28	1 6 0	34	2 5 0	34	2 10 0
19	0 5 6	20	0 6 4	22	0 10 2	24	0 13 8	26	0 16 6	30	1 10 0	36	2 10 0	36	2 15 0
20	0 5 11	21	0 6 10	23	0 11 0	25	0 14 8	27	0 17 6	32	1 15 0	38	3 0 0	38	3 5 0
21	0 6 4	22	0 7 4	24	0 11 8	26	0 15 6	28	0 18 6	34	2 0 0	40	3 10 0	40	3 15 0
22	0 6 10	23	0 8 0	25	0 12 6	28	0 17 6	30	1 4 0	36	2 5 0	—	—	—	—
23	0 7 6	24	0 8 8	26	0 13 6	30	1 2 0	32	1 12 0	38	2 15 0	—	—	—	—

SPECIAL DISCOUNTS ON APPLICATION.

### GROSS STANDARD LIST OF PATENT POINTED BRASS WOOD-SCREWS.

$\frac{1}{4}$ , $\frac{3}{8}$ , and $\frac{1}{2}$ Inch.		$\frac{5}{8}$ Inch.		$\frac{3}{4}$ Inch.		1 Inch.		$1\frac{1}{4}$ Inch.	
No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.
4	£0 1 6	4	£0 1 8	4	£0 1 10	6	£0 2 9	6	£0 3 3
5	0 1 7	5	0 1 10	5	0 2 0	7	0 3 0	7	0 3 7
6	0 1 9	6	0 2 0	6	0 2 3	8	0 3 4	8	0 4 0
7	0 2 0	7	0 2 3	7	0 2 6	9	0 3 8	9	0 4 5
8	0 2 3	8	0 2 5	8	0 2 8	10	0 4 1	10	0 4 11
9	0 2 6	9	0 2 8	9	0 3 0	11	0 4 6	11	0 5 5
10	0 2 9	10	0 3 0	10	0 3 4	12	0 5 0	12	0 6 0
11	0 3 4	11	0 3 4	11	0 3 10	13	0 5 7	13	0 6 8
12	0 3 8	12	0 3 8	12	0 4 4	14	0 6 3	14	0 7 5

$1\frac{1}{2}$ Inch.		$1\frac{3}{4}$ Inch.		2 Inch.		$2\frac{1}{4}$ Inch.		$2\frac{1}{2}$ Inch.	
No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.
6	£0 4 0	7	£0 5 3	8	£0 6 3	8	£0 7 0	10	£0 10 0
7	0 4 4	8	0 5 6	9	0 6 9	9	0 7 6	11	0 10 6
8	0 4 8	9	0 5 11	10	0 7 5	10	0 8 3	12	0 11 0
9	0 5 2	10	0 6 7	11	0 8 2	11	0 9 1	13	0 12 1
10	0 5 9	11	0 7 3	12	0 9 0	12	0 10 0	14	0 13 3
11	0 6 4	12	0 8 0	13	0 9 11	13	0 11 0	15	0 14 6
12	0 7 0	13	0 8 10	14	0 10 11	14	0 12 1	16	0 15 10
13	0 7 9	14	0 9 9	15	0 12 0	15	0 13 3	17	0 17 5
14	0 8 7	15	0 10 9	16	0 13 2	16	0 14 6	18	0 19 0

3 Inch.		$3\frac{1}{2}$ Inch.		4 Inch.		5 Inch.		6 Inch.	
No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.	No.	PRICES, per Gross.
12	£0 14 6	12	£0 16 6	14	£1 2 6	16	£1 14 6	20	£3 0 0
13	0 15 0	13	0 17 3	15	1 3 6	18	1 17 0	22	3 5 0
14	0 15 7	14	0 18 0	16	1 5 0	20	2 0 6	24	3 10 0
15	0 17 0	15	1 0 0	17	1 7 0	22	2 7 0	26	4 0 0
16	0 18 6	16	1 2 0	18	1 9 0	24	2 15 0	28	4 16 0
17	1 0 3	17	1 4 0	19	1 11 6	26	3 0 0	30	6 0 0
18	1 2 0	18	1 6 0	20	1 13 6	28	3 12 0	32	7 10 0
19	1 3 10	19	1 8 0	22	1 19 0	30	4 6 0	—	—
20	1 5 10	20	1 10 0	24	2 5 0	32	5 0 0	—	—

Quotations given for Round Head Screws in Iron and Brass on application.

Bronze Medal, 1884.—Gold Medal, 1890.



**CUT STEEL, WIRE, WROUGHT, SLATE, AND LATH NAILS, Etc.**

NET PRICES (subject to Market Fluctuations).

**Steel Cut Clasp Nails.**

1	1 1/4	1 1/2	1 3/4	2	2 1/2	3 in. up.
16/-	14/-	13/-	12/6	12/-	11/6	11/- cwt.
8/3	7/3	6/9	6/6	6/3	6/-	5/9 56 lb.
4/3	3/9	3/6	3/6	3/3	3/3	28 lb.
2/3	2/2	1/10	1/9	1/9	1/9	14 lb.
1/6	1/2	1/1	1/-	1/-	1/-	7 lb.

**Cut Steel Floor Brads.**

Sizes	2	2 1/4	2 1/2	3 in.
Price	11/3	11/-	10/9	10/9 per cwt.
"	6/-	5/9	5/9	5/9 " 56 lb.
"	3/3	3/-	3/-	3/- " 28 lb.
"	1/8	1/9	1/8	1/8 " 14 lb.
"	1/-	1/-	1/-	1/- " 7 lb.

**Wire Clout Nails.**

Sizes	3/4	1	1 1/4	1 1/2 in. and up.
Price	20/-	18/6	15/6	14/6 per cwt.
"	10/6	9/6	8/-	7/9 " 56 lb.
"	5/6	5/-	4/3	4/- " 28 lb.
"	3/-	2/9	2/3	2/3 " 14 lb.
"	1/9	1/6	1/6	1/6 " 7 lb.

**Countersunk Town Clouts.**

3/4	1	1 1/4	1 1/2	2	2 1/2	3 in.
44/-	33/-	31/-	30/-	27/-	26/6	24/6 cwt.
22/6	16/9	15/9	15/3	13/9	13/6	12/6 56 lb.
11/6	8/9	8/3	8/-	7/3	7/-	6/6 28 lb.
6/-	5/-	4/9	4/3	3/9	3/9	3/6 14 lb.
3/3	2/9	2/6	2/3	2/-	2/-	2/- 7 lb.

**Zinc Slate Nails.**

Sizes	1	1 1/4	1 1/2	1 3/4 in. and up.
Price	38/-	36/-	36/-	36/- per cwt.
"	19/3	18/6	18/6	18/6 " 56 lb.
"	9/9	9/3	9/3	9/3 " 28 lb.
"	5/-	4/9	4/9	4/9 " 14 lb.
"	3/-	3/-	2/9	2/9 " 7 lb.

**Wrought Spikes.**

Sizes	4	5	6 in.
Price	17/-	16/6	16/- per cwt.
"	8/9	8/6	8/3 " 56 lb.
"	4/6	4/6	4/6 " 28 lb.

**Bright Oval Wire Nails.**

1	1 1/4	1 1/2	2	2 1/2	3	3 1/2 in. up.
20/-	20/-	18/-	16/-	15/-	14/-	14/- cwt.
10/3	10/3	9/3	8/3	7/9	7/3	7/3 56 lb.
5/6	5/6	4/9	4/6	4/3	4/-	4/- 28 lb.
3/-	3/-	2/6	2/6	2/3	2/3	2/- 14 lb.
1/9	1/6	1/6	1/6	1/3	1/3	1/3 7 lb.

**Fine Essex Hurdle Nails.**

Sizes	2	2 1/2	3 in.
Price	39/-	36/-	35/- per cwt.
"	20/-	19/6	18/- " 56 lb.
"	10/6	10/3	9/6 " 28 lb.
"	5/6	5/3	5/- " 14 lb.
"	2/9	2/9	2/9 " 7 lb.

**Wrought Clouts.**

Sizes	3/4	1	1 1/4	1 1/2 in.
Price	66/-	53/-	43/-	40/- per cwt.
"	34/-	28/-	22/-	21/- " 56 lb.
"	18/-	15/-	12/-	11/6 " 28 lb.
"	9/6	8/6	6/6	6/- " 14 lb.
"	5/-	4/9	3/6	3/6 " 7 lb.

**Fine Steel Cut Lath Nails.**

Sizes	3/4	1	1 1/4	1 1/2 in.
Price	16/6	15/6	14/6	14/6 per cwt.
"	8/6	8/-	7/6	7/6 " 56 lb.
"	4/6	4/3	4/-	4/- " 28 lb.
"	2/3	2/2	2/-	2/- " 14 lb.
"	1/2	1/2	1/2	1/2 " 7 lb.

**Malleable Slate Nails.**

Sizes	1 1/4	1 1/2	1 3/4	2 in.
Price	26/-	26/-	26/-	26/- per cwt.
"	13/3	13/3	13/3	13/3 " 56 lb.
"	6/9	6/9	6/9	6/9 " 28 lb.
"	3/6	3/6	3/6	3/6 " 14 lb.
"	1/11	1/11	1/11	1/11 " 7 lb.

**Fine Cut Tacks (Blue).  
In Packets.**

Sizes	1/4	3/8	1/2	5/8	3/4	1 in.
Price	-1/1 1/2	-2/1 1/2	-2/1 1/2	-3/3	-3/1 1/2	-4/4 per pkt.
"	1/2	1/6	1/10	2/3	2/6	3/- 10 pkts.

**Best Round Wire Nails.**

Sizes—	1	1 1/4	1 1/2	2	2	3	3 1/2 in. up.
Gauge—	15	14	13	12	10	8	7
16/6	15/6	15/-	14/-	13/-	12/-	11/6	cwt.
8/6	8/-	7/9	7/3	6/9	6/3	6/-	56 lb.
4/6	4/3	4/-	3/9	3/6	3/3	3/3	28 lb.
2/6	2/6	2/3	2/3	2/-	2/-	2/-	14 lb.
1/6	1/6	1/3	1/3	1/3	1/3	1/3	7 lb.

**Fine Wrought Clasp.**

1	1 1/4	1 1/2	2	2 1/2	3 in.
62/6	49/6	42/6	34/6	29/6	27/6 cwt.
31/6	25/-	21/6	17/9	15/-	14/- 56 lb.
15/6	12/9	11/-	9/-	7/9	7/3 28 lb.
8/-	6/6	5/6	5/-	4/-	3/9 14 lb.
4/3	3/6	3/-	2/9	2/3	2/3 7 lb.

**Wire Lath Nails.**

Sizes	3/8	1	1 1/4	1 1/2 in.
Price	26/-	20/-	20/-	20/- per cwt.
"	13/3	10/3	10/3	10/3 " 56 lb.
"	6/9	5/3	5/3	5/3 " 28 lb.
"	3/6	2/9	2/9	2/9 " 14 lb.
"	2/-	1/6	1/6	1/6 " 7 lb.

**Patent Steel Flat Point Rose Nails.**

Sizes	1 1/2	2	2 1/2	3	4 in. and up.
Price	18/-	16/6	14/6	13/6	13/6 per cwt.
"	9/3	8/9	7/6	7/-	7/- " 56 lb.
"	4/9	4/6	4/-	3/9	3/9 " 28 lb.
"	2/6	2/6	2/3	2/-	2/- " 14 lb.
"	1/6	1/6	1/6	1/3	1/3 " 7 lb.

**Tea Chest Nails.**

Sizes	3/4	1	1 1/4	1 1/2 in.
Price	17/6	16/-	15/6	15/6 per cwt.
"	9/-	8/3	8/-	8/- " 56 lb.
"	4/9	4/3	4/3	4/3 " 28 lb.
"	2/6	2/3	2/3	2/3 " 14 lb.
"	1/6	1/3	1/3	1/3 " 7 lb.

**Fine Cut Tacks (Tinned).  
In Packets.**

Sizes	1/4	3/8	1/2	5/8	3/4	1 in.
Price	-2/1 1/2	-3/3	-3/1 1/2	-4/4	-4/1 1/2	-5/5 per pkt.
"	2/-	2/3	2/9	3/-	3/6	3/9 10 pkts.

Awards for Excellence of Machines and Tools:



**COTTER PINS, PANEL PINS, WALL NAILS, HOLDFASTS, Etc.**

NET PRICES (Subject to Market Fluctuations).

**Bright Iron Panel Pins.**

Sizes	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	in.
Price	-/5	-/5	-/5	-/5	-/5	-/5	per lb.

**Machine-made Bright Cotter Pins.**

Length	1	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{3}{4}$	2	2	in.
Gauge	12	11	10	9	6	3	
Price	1/-	1/2	1/3	1/6	2/-	3/3	gross.
"	-/1 $\frac{1}{2}$	-/2	-/2	-/3	-/3 $\frac{1}{2}$	-/4	doz.

**Plumbers' Holdfasts.**

2 in. to 6 in. assorted.

per 14 lb. 28 lb. 56 lb. cwt.

Black	...	3/-	5/6	10/6	21/-	
Galvanized		4/3	8/-	15/6	30/-	

**No. 1471.****Machine-made Staples (Sharp Points).**

Sizes	...	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 in.
Bright	...	-/6	-/6	-/8	-/10	-/11	1/2 gross.
Galvanized	—	—	1/-	1/2	1/4	1/9	"

**No. 1474.****Rain-water Pipe Hooks.**

Sizes	...	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4	5 in.
Black	...	1/-	1/-	1/3	1/8	2/-	2/6 doz.
Galvanized		1/4	1/4	1/9	2/3	2/9	3/3 "

**No. 1477.****Wall Ties, Wrought (Light).**

Self Colour	...	...	...	21/-	per cwt.
Galvanized	...	...	...	28/-	per cwt.

**Brass Escutcheon Pins.**

Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	in.
Price	1/2	1/2	1/2	1/2	per lb.
"	-/2	-/2	-/2	-/2	" 5oz.

**Cast Garden Wall Nails.**

Sizes	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	in.
Price	12/-	12/-	12/-	12/-	per cwt.
"	6/6	6/6	6/6	6/6	" 56 lb.
"	3/6	3/6	3/6	3/6	" 28 lb.
"	2/-	2/-	2/-	2/-	" 14 lb.
"	1/3	1/3	1/3	1/3	" 7 lb.

**Plumbers' Wall Hooks.**

2 in. to 6 in. assorted.

		per 14 lb.	28 lb.	56 lb.	cwt.
Black	...	3/-	5/6	10/6	20/-
Galvanized		4/-	7/9	15/6	30/-

**No. 1472.****Wrought Black Staples.**

Sizes	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$	3 in.
Price	1/3	1/6	1/8	2/-	2/3	3/3	4/- gross.

**No. 1475.**  
**Gas Pipe Hooks.**

For Iron Barrel.

Black.

$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	in.
2/-	2/3	2/9	3/6	4/6	6/-	7/6	gross.

Tinned.

$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	in.
2/9	3/3	3/6	4/9	6/3	9/6	11/6	gross.

**Tile Pegs.**

Sizes	...	1	$1\frac{1}{2}$	2	$2\frac{1}{4}$	in.
Self Colour	12/-	12/-	12/-	12/-	12/-	cwt.
Galvanized	22/-	22/-	22/-	22/-	22/-	"

Smaller quantities charged extra.

**Copper Rivets.**

Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	in.
Price	1/4	1/4	1/4	1/4	1/4	per lb.

**Best Wrought Tenter Hooks.**

Sizes	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 in.
Price	-/8	-/7	-/6	-/6 per lb.

**No. 1473.****Pipe Nails.**

Sizes	3	$3\frac{1}{2}$	4	in.
Price	20/-	19/6	18/-	per cwt
"	-/5	-/5	-/6	" doz.

Price, per gross, 5/-, assorted.

**No. 1476.****Gas Pipe Hooks.**

For Compo Pipe.

Black.

$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
1/6	1/7	1/9	2/-	2/3	2/6	3/- gross.

Tinned.

$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
2/-	2/3	2/6	2/9	3/-	3/6	4/- gross.

**No. 1479.****Wall Ties, Wrought (Heavy).**

				per cwt.	per 100.
7 in.	...	...	...	19/-	5/-
8 in.	...	...	...	18/-	6/-
9 in.	...	...	...	17/-	7/6

Galvanized 7/6 per cwt. extra.

A large assortment of Cast and Wrought Wall Ties kept in stock in Black and Galvanized.

We shall be pleased to send illustrations and prices on receipt of specification.

Bronze Medal, 1884.—Gold Medal, 1890.



**COACH SCREWS, HANDRAIL SCREWS, DOWEL SCREWS, Etc.****No. 1482.****POINTED COACH SCREWS.**

Per gross.

Per cwt.

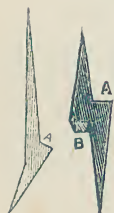
Length (from under head to point).	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{4}$	Length (from under head to point).	$\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{1}{4}$ in. and up.
2 in. long and under ...	4/3	5/-	6/-	7/6	2 in. long and under ...	—	—	36/-	35/-	33/-
$2\frac{1}{8}$ and $2\frac{1}{2}$ in. ...	4/9	5/9	7/-	8/-	$2\frac{1}{8}$ in. long to $2\frac{1}{2}$ in. ...	—	—	36/-	33/-	30/-
$2\frac{1}{2}$ and 3 in. ...	5/6	6/3	7/-	8/-	$2\frac{1}{2}$ in. long to 3 in. ...	—	—	—	—	—
$3\frac{1}{8}$ and $3\frac{1}{2}$ in. ...	6/3	7/-	—	—	$3\frac{1}{8}$ in. long to $3\frac{1}{2}$ in. ...	—	—	—	—	—
$3\frac{1}{2}$ and 4 in. ...	7/-	7/9	—	—	$3\frac{1}{2}$ in. long to 4 in. ...	42/-	40/-	33/-	30/-	29/-
$4\frac{1}{8}$ and $4\frac{1}{2}$ in. ...	7/9	8/6	—	—	$4\frac{1}{8}$ in. long to $4\frac{1}{2}$ in. ...	—	—	—	—	—
$4\frac{1}{2}$ and 5 in. ...	7/9	9/-	—	—	$4\frac{1}{2}$ in. long to 5 in. ...	40/-	38/-	32/-	29/-	28/-
$5\frac{1}{8}$ and $5\frac{1}{2}$ in. ...	9/-	9/9	—	—	$5\frac{1}{8}$ in. long to 6 in. ...	—	—	—	—	—
$5\frac{1}{2}$ and 6 in. ...	9/6	10/6	—	—	Above 6 in. in length ...	39/-	37/-	31/-	28/-	27/-
Extra for Hexagon Head ...	-6	-6	-8	-8	Extra for Hexagon Heads, per cwt.	2/-	2/-	1/9	1/6	1/6
Extra for Galvanizing ...	1/-	1/6	1/9	2/-	Galvanizing, per cwt. extra. ...	10/-	10/-	9/-	9/-	9/-

**No. 1483.****Best Quality Handrail Screws.**

Two nuts, per doz.				One Nut, per doz.			
Diameter ...	4	$4\frac{1}{2}$	5	6	$4\frac{1}{2}$	5	6 in.
$1\frac{1}{8}$ in. ...	2/-	2/3	2/6	3/-	1/10	2/-	2/3
$1\frac{1}{4}$ in. ...	2/6	2/9	3/-	3/3	2/6	2/9	3/-
$1\frac{1}{2}$ in. ...	3/6	3/9	4/-	4/3	3/3	3/6	3/9
$1\frac{3}{4}$ in. ...	4/9	5/-	5/3	5/6	4/6	4/9	5/-
2 in. ...	4/9	5/-	5/3	5/6	4/6	4/9	5/-

**No. 1485.****The Double-pointed, or Secret Nails.**

A Hammer Head. B Chisel Edge.



Used for Fencing, this Nail renders any wooden fence perfectly unclimbable. It is as formidable as a bayonet, and cannot be masked or withdrawn as can the ordinary Tenter Hook. It also prevents the destruction of fences and trees by the rubbing of stock. For many purposes it is invaluable. The cut steel nails are well adapted for the tops of oak or single pales.

Stock sizes:—2,  $2\frac{1}{2}$ , and 3 in. for Wood Fences.

4, 5 " 6 " Heavy Posts and Brick Walls.

 $1\frac{1}{4}$ -in. Blunt-pointed ditto to prevent rubbing of stock.

There are, on an average, 765 2-in. nails in a 7-lb. bag.

Price **4/9** per 7-lb. bag; **74/-** per cwt.**VINE EYES.**

Sizes ... 3 x 10 4 x 10 5 x 10 6 x 10 7 x 10 8 x 10 9 x 12 10 x 12 screw gauge.

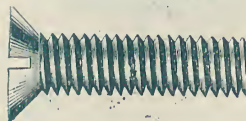
<b>No. 1490.</b> To Screw.	4/-	4/9	5/3	6/-	7/6	7/6	11/6	11/6	per gross.
<b>No. 1491.</b> To Drive.									

Smaller quantities -/6 per gross extra.

**No. 1484.****Dowel Screws.**

Per gross.

No. ...	8	9	10	12	14	16	18	20
1 in. ...	1/3	1/3	1/4	1/7	—	—	—	—
$1\frac{1}{4}$ in. ...	—	1/6	1/7	1/11	2/4	—	—	—
$1\frac{1}{2}$ in. ...	—	—	1/9	2/1	2/8	—	—	—
2 in. ...	—	—	—	2/8	3/4	4/-	—	—
$2\frac{1}{2}$ in. ...	—	—	—	—	4/-	4/9	5/6	6/6

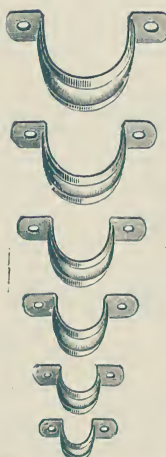
**No. 1486.  
Stove Screws.**

No.	14	15	16	17	18	20	
1 in. ...	2/-	2/3	2/7	2/9	3/6	4/-	per gross.
$1\frac{1}{4}$ " ...	2/9	3/-	3/6	3/9	4/-	4/6	"
$1\frac{1}{2}$ " ...	3/-	3/6	3/9	4/-	4/6	5/-	"

**Pipe Clips.****No. 1487. No. 1489.**

Per gross.

Tinned. Self Colour.



$\frac{1}{4}$ in. bore ...	2/6	1/10
$\frac{3}{8}$ " ...	2/10	2/3
$\frac{1}{2}$ " ...	4/6	3/-
$\frac{3}{4}$ " ...	5/3	3/6
1 " ...	8/3	5/9
$1\frac{1}{4}$ " ...	10/-	6/9
$1\frac{1}{2}$ " ...	12/-	8/-
2 " ...	15/-	10/9
$2\frac{1}{2}$ " ...	23/-	16/-

**Awards for Excellence of Machines and Tools :**



## PATENT SASH LINES.

## The "Samson" Solid Braided Cotton Sash Line.

## No. 1500.

Size Nos.	...	...	...	0	7	8	9	10	11	12
Diameter	...	...	...	$\frac{3}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
Suitable for Sashes weighing to	...	...	...	20	30	50	75	90	above 90	lb.
Price	...	...	...	13/-	15/6	18/-	22/-	27/6	40/-	gross yards.

### Blind Cord.

**No. 1501. "CROWN" QUALITY—**

	Weight ...	1	1½	2	2½	3	4	lb.
Patent Thread Lines, Brown Flax...	<b>4/3 4/6 5/-</b>	<b>6/-</b>	<b>6/9</b>	<b>9/6</b>	gross yards.			
Ditto White, Duck, Green, Crimson	<b>4/6 4/9 5/3</b>	<b>6/9</b>	<b>7/7</b>	<b>11/6</b>	" "			

**No. 1502. "ANCHOR" QUALITY—**

Patent Thread Lines, Brown Flax...	<u>4/6</u>	<u>5/-</u>	<u>6/-</u>	<u>7/-</u>	<u>8/-</u>	<u>11/-</u>	"	"
White, Duck, Green, Crimson ...	<u>4/6</u>	<u>5/6</u>	<u>6/6</u>	<u>8/-</u>	<u>9/-</u>	<u>13/-</u>	"	"
Patent Best Thread, Brown Flax ...	—	<u>7/-</u>	<u>8/6</u>	<u>10/-</u>	<u>12/-</u>	<u>16/-</u>	"	"

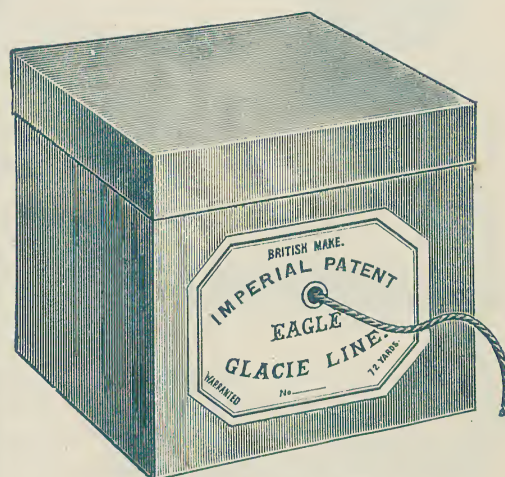
Papered in one gross parcels.

### Venetian Blind Ladder Tape.

**No. 1503.** CARR'S PATENT WOVEN LADDER TAPE—

					Brown, Duck, White, Buff, Green or Red.
Best or stamped quality	...	...	<b>38/-</b>	<b>41/-</b>	<b>41/-</b>
					<b>44/-</b> gross yards.
<b>No. 1504.</b>	C.C.L. ditto, not stamped		<b>23/-</b>	<b>23/-</b>	<b>25/-</b>
					<b>30/-</b> " "
	Stock Sizes, D.E.F.				Papered in half-gross yards only.

## No. 1505.



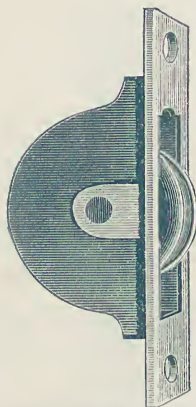
## Patent Glacie Lines.

All Colours, "Anchor" quality—						
Nos.	1	2	3	4	5	6
	<b>3/9</b>	<b>4/-</b>	<b>5/-</b>	<b>7/6</b>	<b>9/-</b>	<b>10/6</b>
"Eagle" ditto—						
Nos.	1	2	3	4	5	6
	<b>3/-</b>	<b>3/6</b>	<b>4/3</b>	<b>6/-</b>	<b>7/6</b>	<b>8/6</b>
In half-gross boxes.						



## FRAME AND AXLE PULLEYS, Etc.

No. 1507.



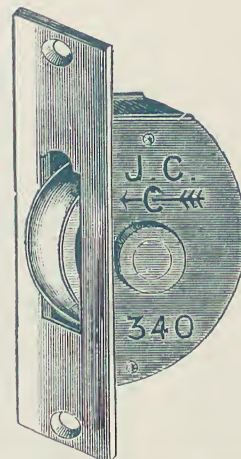
No. 1516.



No. 1509.



No. 1513.



Description.	Sizes	1½	1¾	2	2¼ in.
<b>No. 1506.</b> Frame Pulley, Black ...	...	1/-	1/3	—	—
<b>No. 1507.</b> Ditto, Painted Face ...	...	1/2	1/5	—	—
<b>No. 1508.</b> Axle Pulley, Black ...	...	1/4	1/9	2/3	—
<b>No. 1509.</b> Ditto, Enamelled Face ...	...	1/6	2/-	2/6	—
<b>No. 1510.</b> Ditto ditto ditto ...	...	3/-	3/6	3/9	4/6
<b>No. 1511.</b> Ditto, Brass Face, Iron Wheel ...	...	—	2/6	3/3	5/-
<b>No. 1512.</b> Ditto, Bronzed Face, Brass Wheel, Brass Bushed ...	...	—	5/-	6/6	9/-

Per dozen.

Description.	Sizes	1½	1¾	2	2¼ in.
<b>No. 1513.</b> Axle Pulley, Brass Face, Brass Wheel ...	...	—	4/-	4/3	5/9
<b>No. 1514.</b> Ditto, Cast Brass Plate, Brass Wheel, Brass Bushed ...	...	6/-	7/6	10/-	15/-
<b>No. 1515.</b> Brass Face and Wheel, Square Groove for Wire Line ...	...	—	—	11/-	13/6
<b>No. 1516.</b> Patent Secret Axle Pulleys	...	—	2/-	2/6	3/3
<b>No. 1517.</b> Ditto Enamelled Face ...	...	—	2/3	2/9	3/6
<b>No. 1518.</b> Ditto, Brass Face, Iron Wheel	...	—	3/-	3/3	5/3
<b>No. 1519.</b> Ditto ditto Brass ditto	...	—	4/6	6/3	9/6

Per dozen.

No. 1520. Shop Partition Rollers. No. 1521.

Iron Bowls and Pins.  
No. 1528.

Diameter of Bowls	1	1¼	1½	1¾	2	2¼	2½	3	3½	4 in.
Width of Bowls	5/16	11/32	3/8	13/32	7/16	15/32	1/2	9/16	5/8	3/4 in.
Prices ...	...	...	...	...	...	...	...	...	...	...
Width of Bowls	—	—	—	—	5/8	11/16	3/4	7/8	15/16	1 1/8 in.
Extra strong ...	...	...	...	...	3/6	4/-	5/-	6/-	7/-	10/- doz

Shop Shutter Shoes and Fasteners.

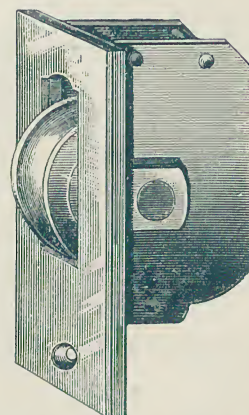
No. 1527.

Malleable, with Brass Pivots.

These illustrations show the Shoes required where the Shutters are put up, beginning at the right hand looking from the street.

For the first, or Right-Hand Shutter, use the Shoes A and D; for the second and all intermediate Shutters use C and D; and for the last Shutter use E and B. If Shutters are put up from Left to Right use the same kind of Shoes the reverse hand.

	A	B	C	D	E	F
Thickness of Shutter	1 in.	-9	-8	-9	-8	-8 ea.
	1 1/8 "	-11	-9	-11	-9	-9 "
	1 1/4 "	1/1	-10	1/1	-10	-10 "
Brass Pivots ...	...	...	4/-	per dozen.		

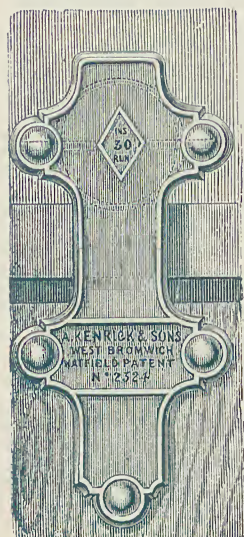
Venetian Axle Pulleys  
Brass Face and Wheel.  
No. 1526.

Sizes	1½	1¾	2	2¼ in.
Price	6/3	7/6	9/-	11/6 doz.

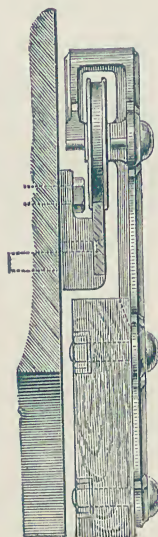


## HATFIELD'S PATENT ROLLERS FOR SLIDING DOORS.

### No. 1529. Malleable Iron Hanging Rollers.



Section.



### Hanging Rollers, in Malleable or Wrought Iron.

Diameter of Bowl.	Length of Run.	Section of Hanging Rail.	Price, Malleable Cast Iron.	Price, Wrought Iron.
Inches.	Feet.	Inches.	Each.	Each.
2	2	$\frac{1}{4} \times 1\frac{1}{2}$	2/9	2/-
2 $\frac{1}{2}$	2 $\frac{1}{2}$	$\frac{1}{4} \times 1\frac{1}{2}$	3/6	2/9
3	3	$\frac{5}{16} \times 1\frac{3}{4}$	4/-	3/3
4	4	$\frac{3}{8} \times 2$	6/9	5/-
5	5	$\frac{7}{16} \times 2\frac{1}{2}$	9/6	7/-
6	6	$\frac{1}{2} \times 3$	12/-	9/-
6 $\frac{1}{2}$	7	$\frac{1}{2} \times 3$	16/-	12/6
7	8	$\frac{1}{2} \times 3$	20/-	17/-
8	10	$\frac{5}{8} \times 4$	27/-	21/-
8	12	$\frac{5}{8} \times 4$	35/-	28/-

FIXTURES FOR HANGING ROLLERS.

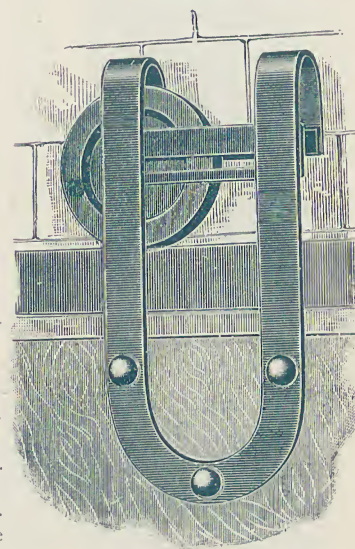
Consisting of Wrought-iron Rail, Bolts, Nuts, and Washers, and Cast-iron Brackets.

For ... 2 2 $\frac{1}{2}$  3 4 5 feet doors.  
Prices 14/6 15/6 17/6 23/6 36/- per set.

For ... 6 7 8 10 feet doors.  
Prices 45/- 47/- 56/- 104/- per set.

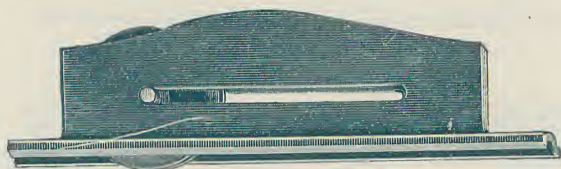
NOTE.—In ordering rollers it is necessary to state thickness of door and wall, and distance the rollers are required to run.

### No. 1530. Wrought-Iron Hanging Rollers.

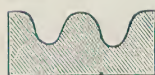


### No. 1531.

#### Plain Bottom Rollers, to Mortise into Doors.



Diameter of Bowl.	Length of Run.	Size of Mortise Required.			Groove in Bowl.	Price.
		Length.	Depth.	Thickness.		
Inches.	Feet.	Inches.	Inches.	Inches.	Inches.	Each.
1 $\frac{1}{2}$	2	5 $\frac{1}{4}$	1 $\frac{3}{4}$	$\frac{1}{16}$	$\frac{1}{4}$	1/2
1 $\frac{1}{2}$	3	7	1 $\frac{3}{4}$	$\frac{1}{16}$	$\frac{1}{4}$	1/2
1 $\frac{1}{2}$	4	8 $\frac{1}{2}$	1 $\frac{3}{4}$	$\frac{1}{16}$	$\frac{1}{4}$	1/3
2	2	5 $\frac{3}{4}$	2 $\frac{1}{8}$	$\frac{1}{16}$	$\frac{1}{8}$	1/3
2	3	7 $\frac{1}{4}$	2 $\frac{1}{8}$	$\frac{1}{16}$	$\frac{1}{8}$	1/4
2 $\frac{1}{2}$	4	10 $\frac{1}{4}$	2 $\frac{1}{8}$	$\frac{7}{8}$	$\frac{1}{8}$	1/9
3	3 $\frac{1}{2}$	7 $\frac{1}{8}$	3 $\frac{1}{4}$	$\frac{1}{16}$	$\frac{1}{8}$	1/6
3	4	9 $\frac{3}{4}$	3 $\frac{1}{4}$	$\frac{7}{8}$	$\frac{1}{8}$	1/9
3	7	14 $\frac{1}{4}$	3 $\frac{1}{2}$	$\frac{1}{16}$	$\frac{1}{8}$	3/9
3 $\frac{1}{2}$	5	11	3 $\frac{1}{2}$	$\frac{1}{16}$	$\frac{7}{8}$	3/3
4	6	13	4 $\frac{3}{8}$	$\frac{1}{16}$	$\frac{7}{8}$	3/9
4	8	16	4 $\frac{1}{2}$	$\frac{1}{16}$	$\frac{7}{8}$	4/6
5	4 $\frac{1}{2}$	10	4 $\frac{1}{2}$	1	$\frac{7}{8}$	3/3
6	7	15 $\frac{3}{8}$	6 $\frac{1}{4}$	$\frac{1}{16}$	$\frac{9}{16}$	6/-
6	9	17 $\frac{5}{8}$	6 $\frac{1}{2}$	$\frac{1}{16}$	$\frac{9}{16}$	8/3
6	10	18 $\frac{3}{4}$	6 $\frac{1}{2}$	$\frac{1}{16}$	$\frac{9}{16}$	10/6
6	12	21	6 $\frac{1}{2}$	$\frac{1}{16}$	$\frac{9}{16}$	12/9
8	16	24 $\frac{3}{4}$	8 $\frac{1}{4}$	2	$\frac{3}{4}$	18/-
8	20	28 $\frac{1}{2}$	8 $\frac{1}{4}$	2	$\frac{3}{4}$	24/-



B SECTION.

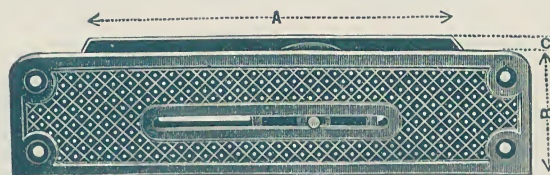
Extra Strong Cast-iron Rail, A Section for 8-in. bowl, 2/- per foot run.

Cast-iron Flush Rail, B Section, suitable for bottom and side rollers up to 6-in. bowl, 1/3 per foot run.

Extra Strong Cast-iron Flush Rail, B Section for 8-in. bowl, 2/3 per foot run.

### No. 1532.

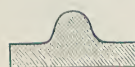
#### For Side of Door, Plain Pattern.



Diameter of Bowl.	Length of Run.	Dimensions.			Price, Japanned.
		A	B	C	
Inches.	Feet.	Inches.	Inches.	Inches.	Each.
2	2 $\frac{1}{2}$	6 $\frac{5}{8}$	2 $\frac{3}{8}$	$\frac{7}{8}$	2/3
2 $\frac{1}{2}$	3	7 $\frac{1}{2}$	2 $\frac{3}{4}$	$\frac{7}{8}$	2/6
3 $\frac{1}{2}$	4	10 $\frac{5}{8}$	3 $\frac{5}{8}$	1	3/9
3 $\frac{1}{2}$	5	11 $\frac{1}{2}$	3 $\frac{5}{8}$	1 $\frac{1}{16}$	5/3
4	6	13 $\frac{3}{8}$	4 $\frac{1}{4}$	1 $\frac{1}{8}$	6/9
5	8	16 $\frac{1}{2}$	5 $\frac{1}{2}$	1 $\frac{1}{4}$	9/9
6	10	18 $\frac{3}{4}$	6 $\frac{1}{2}$	1 $\frac{3}{8}$	15/-
8	12	21 $\frac{1}{4}$	8 $\frac{1}{2}$	1 $\frac{3}{4}$	21/-

### No. 1533. Ornamental Pattern.

Diameter of Bowl.	Length of Run.	Dimensions.			Price, Electro Bronzed.
		A	B	C	
Inches.	Feet.	Inches.	Inches.	Inches.	Each.
2	2	6 $\frac{1}{4}$	2 $\frac{1}{4}$	1 $\frac{3}{8}$	2/3
2	3	7 $\frac{3}{4}$	2 $\frac{1}{4}$	1 $\frac{3}{8}$	2/6
2	4	8 $\frac{7}{8}$	2 $\frac{1}{4}$	1 $\frac{3}{8}$	3/-



A SECTION.

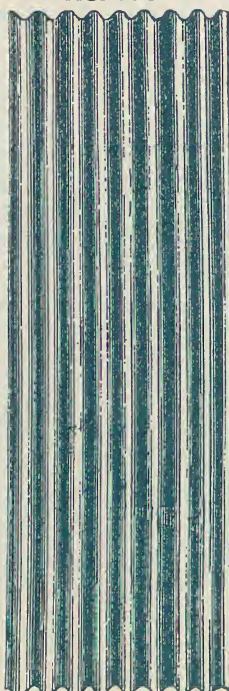
These Side Rollers are designed to avoid the necessity of mortising the door; they possess all the advantages of the ordinary Hatfield Rollers.

Wrought-iron Rail, A Section, suitable for bottom and side rollers up to 6-in. bowl, -/9 per foot run.

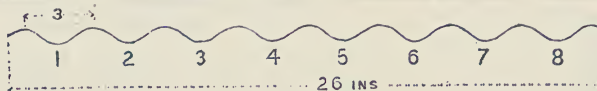
Bronze Medal, 1884.—Gold Medal, 1890.



# **GALVANIZED CORRUGATED IRON SHEETS, RIDGING, Etc.** **NET PRICES (Subject to Market Fluctuations).**

**No. 1534.**

Enlarged  
Section of  
Width,



showing eight-  
3in. corrugations,  
covering two feet  
wide when fixed.

A large stock kept in all gauges, in 5, 6, 7, 8, 9, and 10 ft. lengths.

Approximate Weight per Sheet.							Approximate Number of Sheets to One Ton.						
Length—	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.	Length—	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
20 W.G.	21½	25½	29½	34	38½	42½	20 g.	105	81	75	66	58	53
22 "	16¾	20	23½	26½	30	33½	22 "	134	112	96	84	74	67
24 "	13½	16	18½	21½	24	26½	24 "	161	140	120	105	93	84
26 "	10½	12½	14½	16½	18½	20½	26 "	216	180	154	135	120	108

Approximate Weight of Galvanized Corrugated Straight Sheets when fixed on roof.

20			22			24			26 W.G.		
cwt.	qr.	lb.	cwt.	qr.	lb.	cwt.	qr.	lb.	cwt.	qr.	lb.
1	3	21	1	2	7	1	1	7	1	0	7

per square of 10 ft. x 10 ft.  
= 100 superficial feet.

One Ton of Galvanized Corrugated Iron Sheets will cover when fixed, and after allowing for laps, the under-named areas.

20			22			24			26 W.G.		
1020			1280			1530			2100 square feet.		

## **PRICES.**

Gauge	16	18	20	22	24	26
Price	16/-	16/-	16/-	16/-	16/-	17/6

per cwt. in 4-ft. to 8-ft Sheets.  
9-ft. and 10-ft. Sheets charged extra.

**Galvanized Cone Head  
Screws.  
No. 1535.**



Sizes 1½ 2 2½ 3 in.  
Price 1/6 2/6 3/3 3/9 per gross

**Galvanized Roofing Nails  
Chisel Point.  
No. 1538.**



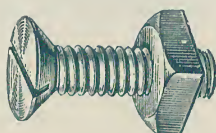
Sizes 1½ 2 2½ 3 in.  
Price 1/6 2/9 3/- 3/6 per gross.

**Galvanized Roofing Nails  
Pencil Point.  
No. 1539.**



Sizes 1½ 2 2½ 3 in.  
Price 1/6 1/9 2/9 3/3 per gross.

**Gutter Bolts.  
No. 1540.**



Sizes ¾ 1 1¼ in.  
Price 1/10 2/- 2/6 per gross.

**Galvanized Iron Ridging.  
No. 1537.**



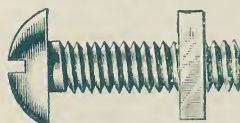
	12 in.	15 in.	18 in. girth.
No. 1536. Plain Ridge	2/2	2/8	3/3 per 6 ft. length.
" 1537. With Roll	2/6	3/-	3/6 " "

**Galvanized Iron Scolloped Ridging.  
No. 1543.**



PRICES	12 in	15 in	18 in. girth.
	2/6	3/-	3/6 per 6 ft. length.

**Galvanized Roofing Bolts  
and Nuts.  
No. 1541.**



Sizes ½ ¾ 1 1¼ 1½ in.  
Price 3/- 3/9 4/- 4/9 6/- gross.

**Galvanized Hook Bolt.  
No. 1542.**



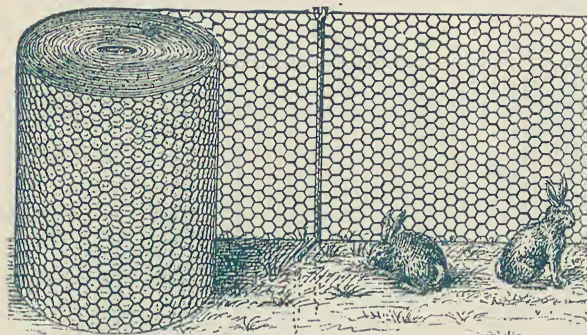
Price 2 x ¾ 2½ x ¾ 3 x ¾ 4 x 1½ in.  
4/- 4/6 5/- 6/- per dozen.

**Awards for Excellence of Machines and Tools:**



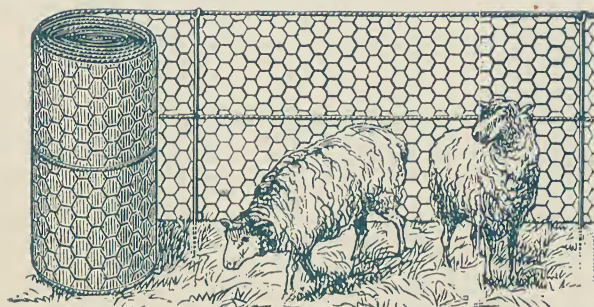
## GALVANIZED WIRE NETTING, BARB WIRE, Etc.

No. 1544.



Galvanized Wire Netting.

No. 1545.

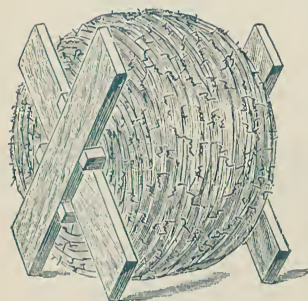


Extra Strong Galvanized Wire Sheep Netting,  
3-ply Selvages.

Mesh.	Gauge.	3 ft. wide.	3 ft. 6 in. wide.	4 ft. wide.	
3 in.	16	14/-	16/6	18/6	Per 50-yard Roll. Can be had in 25-yard Rolls, if de- sired, at same price.
"	15	16/9	19/6	22/6	
"	14	21/-	24/-	27/6	
"	13	24/6	28/6	33/-	
4 in.	16	10/9	12/6	14/-	
"	15	13/6	15/6	18/-	
"	14	16/-	18/9	21/6	
"	13	19/6	31/-	35/-	

Flat Galvanized Iron Draught Bar at each end of Roll,  
3 ft., 1/-, 3 ft. 6 in., 1/3, 4 ft., 1/4 per Roll extra.

No. 1546.



Galvanized Barbed Wire,  
2- or 4-point.  
Per 24/- cwt.

No. 1547.



Galvanized Strand  
Wire, 7-ply.

No. 4. 34/- per cwt. of  
about 325 yards.

No. 6. 26/- per cwt. of  
about 455 yards.

Less than 1 cwt. charged  
1/4 per cwt. extra.

Width Mesh.	Gauge.	12	18	24	30	36	42	48	60 in.
1/2	22	11/-	16/9	22/-	28/-	32/6	39/-	44 6	55/6
1/2	20	13/6	26/-	27/-	33/6	40/-	47/-	53/6	67/-
1/2	20	6/8	10/-	13/6	16/9	20/-	23/6	26/9	33/6
1/2	19	8/9	13/-	17/-	22/-	26/-	30/-	34/6	43/-
1	19	6/-	9/-	12/-	15/6	18/6	21/6	24/6	30/6
1	18	7/6	11/-	14/9	18/6	22/-	26/-	29/6	—
1	17	10/6	15/9	21/-	26/-	31/6	37/-	42/-	52/-
1 1/4	19	5/-	7/6	9/9	12/-	14/6	17/-	19/6	24/-
1 1/4	18	6/-	8/9	11/9	14/9	18/-	21/-	23/6	30/-
1 1/4	17	8/-	11/9	15/9	20/-	24/-	27/6	31/6	40/-
1 1/2	19	4/-	6/-	8/-	10/-	12/-	14/-	16/-	20/-
1 1/2	18	5/-	7/6	9/9	12/-	14/6	16/9	19/6	24/-
1 1/2	17	6/-	9/6	12/-	15/-	18/6	21/6	24/6	30/6
2	19	3/-	4/6	6/-	7/6	8/9	10/6	11/9	14/9
2	18	3/9	5/9	7/6	9/6	11/-	13/-	14/9	18/6
2	17	5/-	7/6	10/-	12/6	15/-	17/6	19/9	—
3	18	3/-	4/6	5/9	7/-	8/9	10/-	11/6	14/6
3	16	—	7/-	9/6	11/6	13/9	14/-	18/6	23/-
3	14	—	10/-	13/6	16/9	20/-	23/-	28/-	33/-

Per 50-yard Roll.

No. 1549.



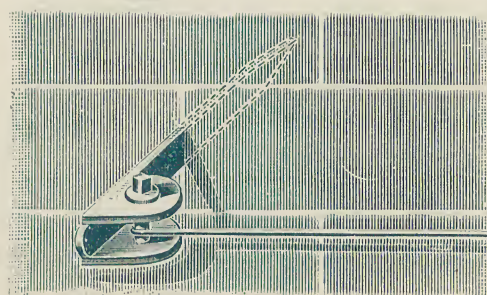
Galvanized Mixed Wire Netting.

Particulars and prices sent upon receipt of specification.

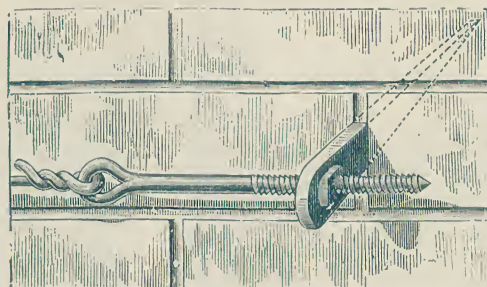
No. 1550.

Galvanized  
Malleable  
Iron Raidis-  
seurs and  
Driving Eye  
combined, ca-  
pable of Straining  
No. 10 to 14 wire.

Price, Single,  
6/- per doz.;  
Double,  
8/9 per doz.

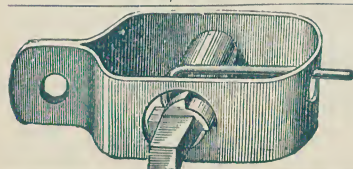


No. 1551.



Galvanized Wrought Iron Strainer,  
capable of Straining No. 12 to 14 wire, and consists  
of Screw Eye with Nut and Bolt and Driving Hold-  
fast, as illustrated.

No. 1551. Price, for Driving into walls ... 3/6 doz.  
" 1552. " " Screwing into wood ... 4/9 "  
" 1553. " " Screw Eye only ... 2/6 "



No. 1548.

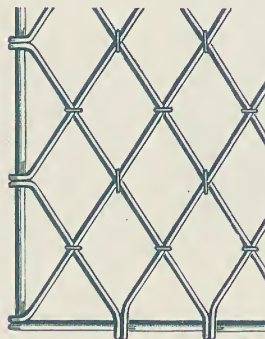
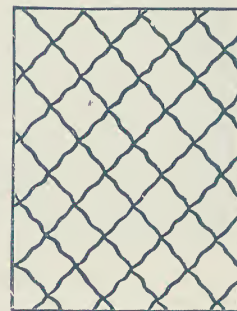
Galvanized Raidisseurs for  
Straining Wires.

Price 3/6 per doz.

Extra strong, for 10, 11, or 12 wire, 6/- doz.  
" " " No. 4 " 1/4 each.

Bronze Medal, 1884.—Gold Medal, 1890.



**GALVANIZED WIRE WORK.****No. 1554.****No. 1555.****No. 1556.****No. 1554. Galvanized Straight Mesh Wire Lattice Work.**

	No. 16	15	14	13	12	11	10	9	8	Wire Gauge. per square foot.
$\frac{3}{4}$ in. Mesh	-11	1/-	1/2	1/3	1/7	—	—	—	—	" " "
1 in. "	—	-9	-10	-11	1/-	1/4	—	—	—	" " "
1 $\frac{1}{4}$ in. "	—	—	-10	-10	-11	1/2	1/3	—	—	" " "
1 $\frac{1}{2}$ in. "	—	—	-9	-10	-11	1/1	1/2	1/4	—	" " "
1 $\frac{3}{4}$ in. "	—	—	-8	-9	-10	1/-	1/1	1/3	1/4	" " "
2 in. "	—	—	—	—	-8	-10	-10	1/-	1/2	" " "
2 $\frac{1}{2}$ in. "	—	—	—	—	-8	-9	-10	-11	1/1	" " "

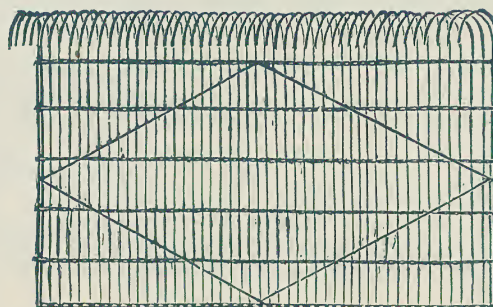
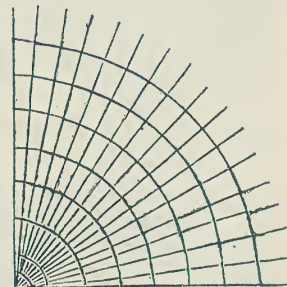
**No. 1555. Extra Strong Galvanized Tied Wire Trellis.**

	No. 15	14	13	12	11	10	9	8	7	6	Wire Gauge. per square foot.
$\frac{3}{4}$ in. Mesh	1/6	1/7	1/10	1/10	2/2	3/-	—	—	—	—	" " "
1 in. "	1/3	1/4	1/6	1/7	1/10	1/10	2/4	—	—	—	" " "
1 $\frac{1}{4}$ in. "	1/2	1/-	1/2	1/3	1/4	1/7	1/10	—	—	—	" " "
1 $\frac{1}{2}$ in. "	—	1/-	1/2	1/3	1/4	1/4	1/8	1/11	—	—	" " "
2 in. "	—	-10	-11	1/-	1/2	1/4	1/4	1/5	2/3	—	" " "
2 $\frac{1}{2}$ in. "	—	—	-8	-8	-9	-11	1/-	1/2	1/8	—	" " "
3 in. "	—	—	-8	-8	-8	-10	-11	1/-	1/7	2/3	" " "
4 in. "	—	—	-6	-6	-8	-8	-10	-11	1/6	1/11	" " "

**No. 1556. Strong Galvanized Corrugated Diamond Mesh Wire Lattice.**

	No. 18	17	16	15	14	13	12	11	10	9	8	Wire Gauge. per square foot.
$\frac{1}{2}$ in. Mesh	-10	-11	1/-	1/2	1/4	1/6	1/8	—	—	—	—	" " "
$\frac{3}{4}$ in. "	-8	-10	-11	1/-	1/1	1/4	1/6	—	—	—	—	" " "
1 in. "	-8	-8	-11	1/-	1/1	1/2	1/4	1/6	1/8	1/11	—	" " "
1 $\frac{1}{4}$ in. "	—	-8	-8	-8	-9	-11	1/-	1/2	1/4	1/7	—	" " "
1 $\frac{1}{2}$ in. "	—	—	—	-8	-8	-8	-9	-11	1/-	1/2	—	" " "
2 in. "	—	—	—	-7 $\frac{1}{2}$	-7 $\frac{1}{2}$	-7 $\frac{1}{2}$	-9	-11	1/-	1/1	1/4	" " "
2 $\frac{1}{2}$ in. "	—	—	—	-6	-6	-7	-7 $\frac{1}{2}$	-8 $\frac{1}{2}$	-11	1/-	1/3	" " "

All pieces less than 4 square feet are charged as 4 square feet, and all sizes less than 12 inches wide are charged as 12 inches.

**No. 1557.****Special Cheap Garden Fence.****No. 1558.****Galvanized Unclimbable Cat Guards.****No. 1559.****Galvanized Iron Cat Guards.**

2 ft. high  
Price  $\frac{2}{-}$   $\frac{3}{-}$   $\frac{4}{-}$  6 ft. wide.  
 $\frac{2}{-}$   $\frac{2}{-}$   $\frac{3}{-}$   $\frac{4}{-}$  each.

1  $\frac{1}{2}$  in. mesh  
6 ft. lengths  $\frac{24}{5/9}$  30 in. high.  
 $\frac{24}{7/6}$  each.

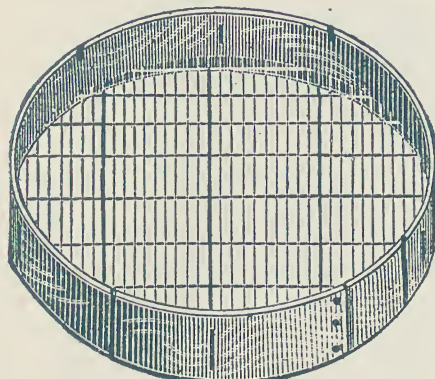
Sizes  
Price  $\frac{12}{1/4}$   $\frac{18}{1/8}$   $\frac{24}{2/-}$   $\frac{30}{3/-}$  in.  
each.

**Awards for Excellence of Machines and Tools:**



# GRAVEL SIEVES, GRAVEL SCREENS, RUBBISH WHEELS, Etc.

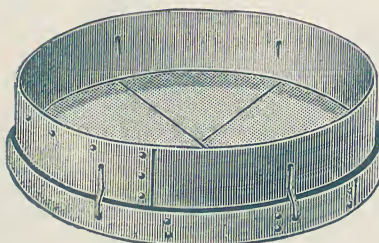
No. 1560.



**Extra Strong Straight Mesh Gravel Sieves,** Oak Rims,  $3\frac{1}{2}$  in. deep.

Mesh.	20	22	24	dia.
$\frac{1}{8}$	4/6	6/-	7/-	each.
$\frac{3}{16}$	3/9	4/6	5/6	"
$\frac{1}{4}$	3/6	3/9	4/9	"
$\frac{5}{16}$	3/3	3/9	4/6	"
$\frac{3}{8}$	3/3	3/9	4/6	"
$\frac{1}{2}$	3/3	3/9	4/3	"

No. 1561.



**Sand Washing Sieves.**

Iron Wire Bottoms.

Extra Strong Oak Rims, 5 in. deep inside,  
7 in. deep outside.

Mesh.	16	18	20	in. dia.
4 to 14	4/-	4/6	4/9	each.
16 to 20	4/6	4/9	5/-	"
24	4/9	5/-	5/6	"
30	5/-	5/6	5/9	"
36	5/3	6/-	6/6	"

Copper Wire Bottoms.

	4 to 10	5/9	6/9	"
12 to 18	5/9	6/6	7/6	"
20	6/-	6/9	8/-	"
24	6/6	7/6	8/3	"
30	7/-	8/-	9/-	"

Iron Handles fitted to Sieves, 1/- per pair extra.

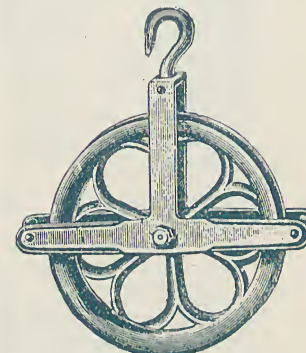
No. 1562.



**Cane Rubbish Basket.**

Half Bushel ... 3/9 each.

No. 1563.



Diameter of Pulley,

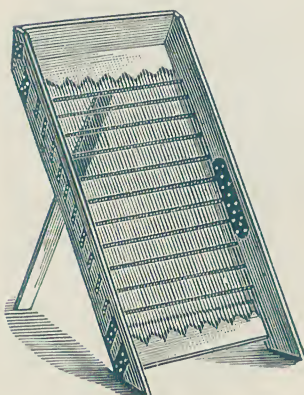
6 7 8 10 12 14 16 in.

Width of Groove,

1  $\frac{1}{8}$   $\frac{1}{8}$   $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$  in.

Price 4/6 5/6 6/6 6/6 8/6 9/6  
13/- each.

No. 1564.



**SCREENS**  
For Gravel, Lime, Sand, Breeze, etc. Best quality.  
The Frame made of Deal,  $1\frac{1}{2}$  in. thick, and strongly clamped  
with iron. The Crossbars of these Screens are much  
closer than second quality.

Meshes (measured between wires).

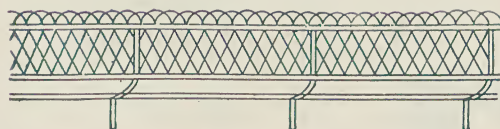
**No. 1564. Laced Pattern.**

High. ft. in.	Wide. ft. in.	$\frac{1}{2}$ Mesh. each.	$\frac{3}{8}$ Mesh. each.	$\frac{5}{16}$ Mesh. each.	$\frac{1}{4}$ Mesh. each.	$\frac{3}{16}$ Mesh. each.
5 0	2 6	14/-	15/-	16/-	17/-	18/-
5 6	2 9	15/-	16/-	17/-	18/-	19/-
6 0	3 0	16/3	17/3	18/3	19/6	21/-
6 0	4 0	24/6	27/-	29/-	31/-	34/-

**No. 1565. Locket Pattern.**

High. ft. in.	Wide. ft. in.	$\frac{1}{2}$ Mesh. each.	$\frac{3}{8}$ Mesh. each.	$\frac{5}{16}$ Mesh. each.	$\frac{1}{4}$ Mesh. each.	$\frac{3}{16}$ Mesh. each.
5 0	2 6	16/-	16/-	17/-	17/6	19/-
5 6	2 9	17/-	17/-	18/-	18/6	20/-
6 0	3 0	20/-	21/-	22/-	23/-	24/-
6 0	4 0	28/-	31/-	33/-	35/-	38/-

No. 1567.



**Extra Strong Galvanized Iron Wire Snow Guards.**

6 ft. long	9	12	15 in. high.
Price	5/6	6/9	8/- each.

No. 1569.

**Scaffold Cord.**

Jute ...	price	45/- per cwt.
Best Hemp ...	"	74/- "
In 16 ft. lengths, cut and whipped ready for use.		
Jute ...	price	15/- per doz.
Best Hemp ...	"	21/- "

No. 1568.

Case Sling.



Prices of Case and Endless Slings.

Case Slings, with Roller Ends and Steel Pointed Jaws.	Endless Slings.
2 $\frac{1}{2}$ cwt.	7/6
4 "	9
6 "	12/6
8 "	15/-
12 "	17/6
20 "	20/-
8ft. chain,	4/6
9 "	5/-
12 "	7/6
16 "	10/-
20 "	12/6
25 "	15/-

No. 1566.

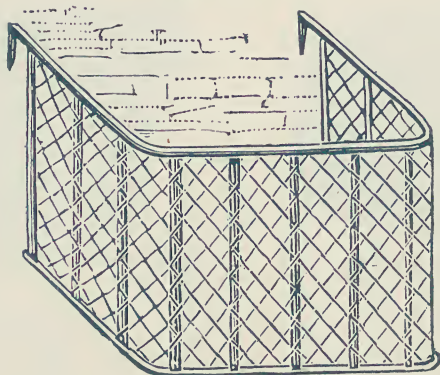


**Basket Chains.**

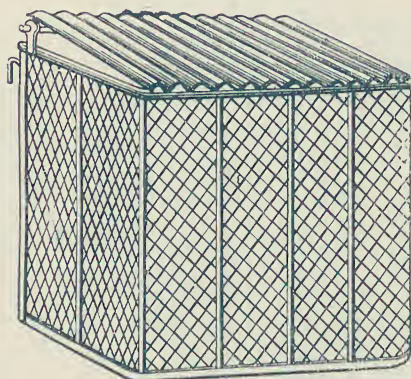
Price 3/6 per pair.

Illustration shows one pair.



**GALVANIZED MANURE GUARDS, CARTS, SNOW GUARDS, Etc.****No. 1571.**

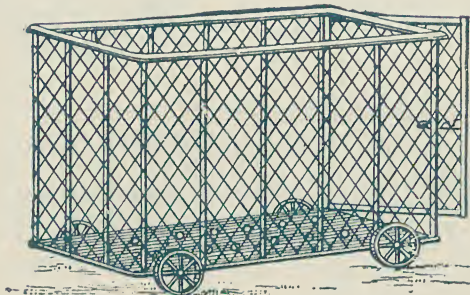
Length.		Height.		Projection.		Strong.			Extra Strong.		
feet.	in.	feet.	in.	feet.	in.	£	s.	d.	£	s.	d.
4	0	3	0	2	6	2	10	0	2	18	0
4	3	3	3	3	0	2	18	0	3	10	0
4	6	3	0	2	6	2	12	6	3	3	0
5	0	3	0	2	6	2	14	0	3	5	0
5	6	3	6	3	0	3	12	0	4	7	6
6	0	4	0	3	0	4	7	6	5	5	0

**No. 1572.****Strong Manure Guards.**

With strong Corrugated Iron Covers on top.

Length.		Height.		Projection.		Strong.			Extra Strong.		
feet.	in.	feet.	in.	feet.	in.	£	s.	d.	£	s.	d.
4	0	3	0	2	6	3	10	0	4	10	0
4	6	3	6	3	0	4	17	6	5	0	0
5	0	3	6	3	0	5	0	0	5	12	6
6	0	4	0	3	0	6	5	0	6	12	6

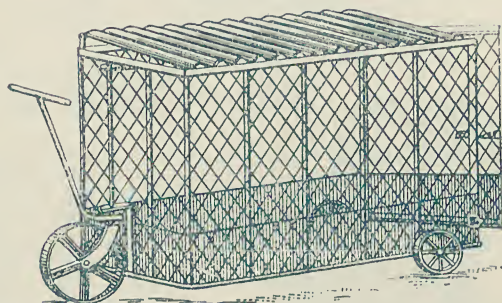
Other sizes at proportionate prices, and with skirting band if required extra.

**No. 1573.****Extra Strong Galvanized Manure Carts.**

With self-fastening Hinged Doors, Perforated Sheet-iron Bottoms, and mounted on 4 wheels.

Length.		Height, exclusive of wheels.		Width.		Prices.		
feet.	in.	feet.	in.	feet.	in.	£	s.	d.
4	0	3	0	2	6	7	10	0
5	0	4	0	3	0	13	5	0
5	6	4	0	3	6	14	10	0

Other sizes at proportionate prices, and with skirting band if required extra.

**No. 1575.****Extra Strong Galvanized Manure Carts.**

With Corrugated Iron Roofs, Pivot Wheel, and Skirting Band, self-fastening Hinged Door, etc.

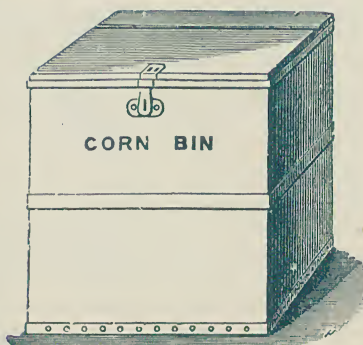
Length.		Height, exclusive of wheels.		Width.		With 9-in. skirting band as shown.		
feet.	in.	feet.	in.	feet.	in.	£	s.	d.
4	0	3	0	2	6	10	10	0
4	6	4	0	3	0	14	5	0
5	6	4	0	3	6	17	10	0

Can be had with 4 wheels as shown above, instead of pivot wheel, at a reduction of 7/6 each, and this plan is much more recommended for hard wear.

**Galvanized Corn Bins.****No. 1576.**

Circular Pattern.

No. Bushel.	Height. in.	Diam. in.	Price, each.
2	24	17	23/-
4	28	21	27/-
6	30	24	35/-
8	37	26	39/-

**No. 1577.**

Rectangular Pattern.

No. Bushel.	Length. in.	Width. in.	Depth. in.	Price, each.
4	27	17	24	35/-
8	32	20	30	47/-
12	36	20	36	63/6

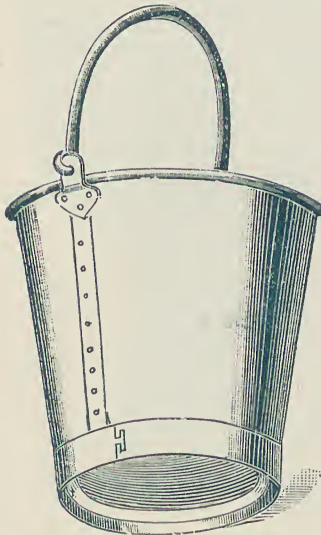
The 8 and 12 Bushel sizes are fitted with Partitions.

**Awards for Excellence of Machines and Tools :**



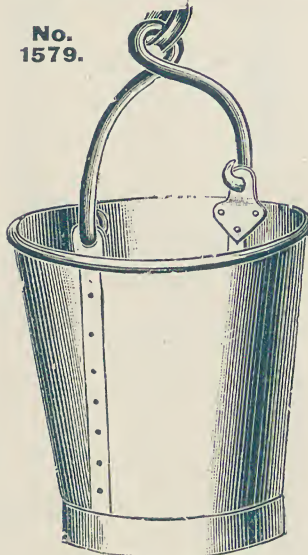
# **GALVANIZED PAILS, WELL BUCKETS, MANURE BOWLS, Etc.**

**No. 1578.**



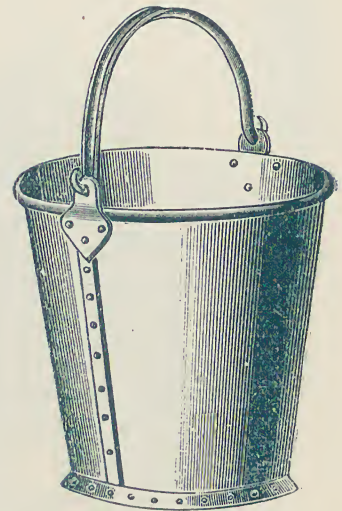
Sizes 10 11 12 13 in.  
Price  $\frac{1}{1}$   $\frac{1}{1}$   $\frac{1}{4}$   $\frac{1}{2}$  each.  
12 in. weigh 48 lb. per doz.

**No. 1579.**



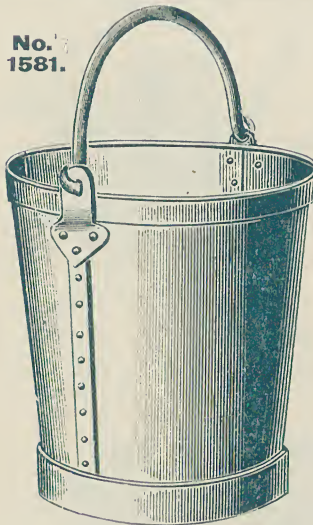
For Yacht Use.  
Sizes 10 11 12 in.  
Price  $\frac{1}{8}$   $\frac{1}{8}$   $\frac{2}{-}$  each.

**No. 1580.**



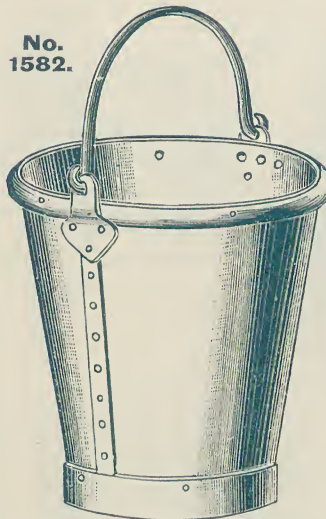
Sizes 11 12 13 14 in.  
Price  $\frac{2}{-}$   $\frac{2}{3}$   $\frac{2}{6}$   $\frac{2}{9}$  each.  
12 in. weigh 60 lb. per doz.

**No. 1581.**



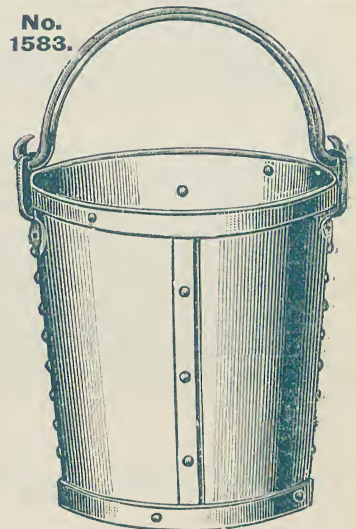
Sizes 11 12 13 14 in.  
Price  $\frac{2}{6}$   $\frac{2}{9}$   $\frac{3}{4}$   $\frac{3}{8}$  each.  
12 in. weigh 90 lb. per doz.

**No. 1582.**



Sizes 11 12 13 14 in.  
Price  $\frac{2}{6}$   $\frac{2}{6}$   $\frac{2}{11}$   $\frac{3}{2}$  each.  
12 in. weigh 96 lb. per doz.

**No. 1583.**



Sizes 11 12 13 14 in.  
Price  $\frac{3}{-}$   $\frac{3}{4}$   $\frac{3}{8}$   $\frac{4}{-}$  each.  
12 in. weigh 120 lb. per doz.

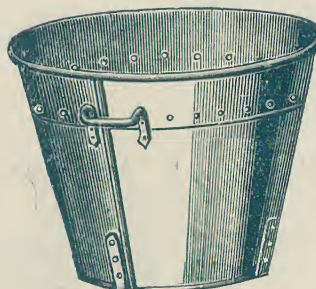
**No. 1584.**



**Galvanized Strong Manure Bowl, with Socket.**

Sizes 9 10 11 12 in.  
Price  $\frac{2}{4}$   $\frac{2}{6}$   $\frac{3}{-}$   $\frac{3}{4}$  each.

**No. 1585.**



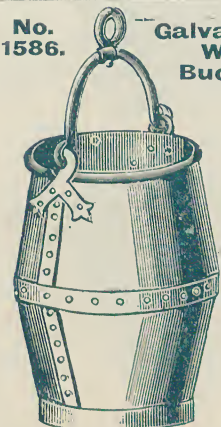
**Galvanized Deep Skip, Strapped Bottom.**

Best Quality.

Sizes  $\frac{1}{2}$   $\frac{3}{4}$  1 bushel.  
Price  $\frac{4}{6}$   $\frac{4}{9}$   $\frac{5}{-}$  each.

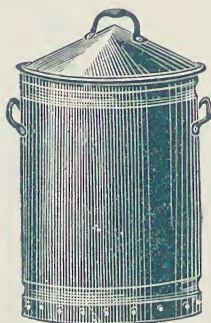
**No. 1586.**

**Galvanized Well Bucket.**

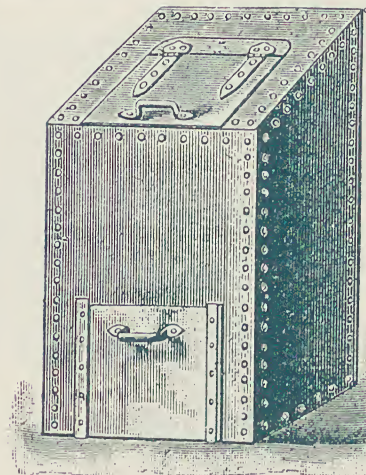


Sizes 4 6 8 10 gallons  
Price  $\frac{6}{-}$   $\frac{7}{6}$   $\frac{8}{9}$   $\frac{12}{9}$  each.

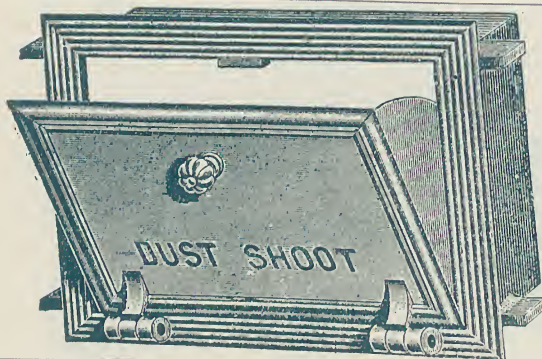


**DUST BINS, DUST SHOOT, SUPPLY CISTERNS, etc.****No. 1588.****Galvanized Iron Round Dust Bins (with Lid).**

		Strong.	Medium.	
15 in. diam.	18 in. high.	7/-	4/9	each.
16 in. "	20 in. "	7/6	5/-	"
18 in. "	24 in. "	9/6	6/-	"
18 in. "	30 in. "	11/6	7/9	"

**No. 1589.****Improved Galvanized Square Sanitary Dust Bin.**

Width.	Height.	Price.
18 in.	36 in.	22/- each.
22 in.	32 in.	24/- "
22 in.	36 in.	25/- "
24 in.	36 in.	27/6 "

**No. 1590.****Cast Iron Dust Shoot.**

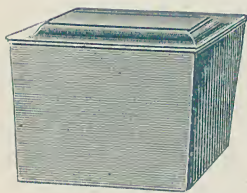
Size of Opening, 13 x 9 in.

" " Frame, 10 x 12 x 4 1/2 in.

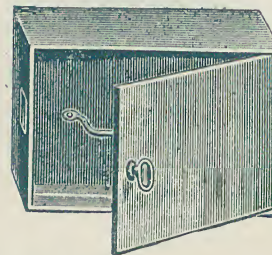
Price 14/- each.

**No. 1591.****Earth Rammers.**

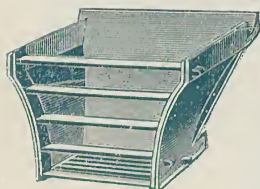
Weight	8	10	12	14	16	lb.
Price	1/4	1/6	1/10	2/2	2/6	ea.

**No. 1592.****Cast Iron Supply Cisterns and Covers.**

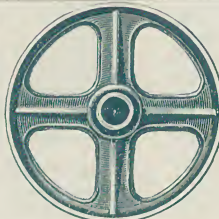
No.	Length.	Width.	Depth.	Plain.	Galvanized.
1592	11 1/2	5 3/4	9 1/2 in.	4/-	6/9 each.
1593	12 5/8	6 3/8	10 in.	5/-	8/- "
1594	14 1/2	7 1/8	10 5/8 in.	6/-	10/3 ",

**No. 1595.****Improved Double Soot Door, with Key and Brass Latch.**

Sizes	9 x 6	9 x 9	12 x 9	14 x 9	14 x 12	16 x 12 in.
Price	6/-	7/-	8/-	9/-	11/-	13/- each.

**No. 1596.****Mason's Stoves (Fitted).**

Sizes	9	10	11	12 in.
Prices	3/3	3/6	3/9	4/3 each.

**No. 1597.****Truck Wheels.**

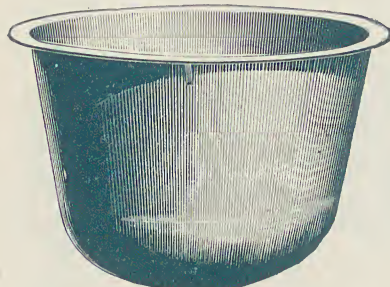
Sizes	5	6	7	8	9	10 in.
Prices	-9	-10	1/-	1/3	1/6	1/9 each.

**Awards for Excellence of Machines and Tools :**



## FURNACE PANS, PORTABLE COPPERS, Etc.

No. 1599.

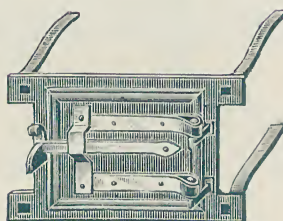


**Galvanized Furnace Pans.**

Sizes 6 to 20 25 to 30 35 to 40 60 to 100 gals.  
Price -/9 -/10 1/- 1/2 per gal.

DIMENSIONS.			
Contents in Gallons.	Inside Diameter at Top.	Contents in Gallons.	Inside Diameter at Top.
6	15½ in.	25	24½ in.
8	16¾ in.	30	26½ in.
10	18½ in.	35	27½ in.
12	19¼ in.	40	29 in.
14	20½ in.	50	30½ in.
16	21 in.	60	31¼ in.
18	21½ in.	80	34½ in.
20	23 in.	100	37½ in.

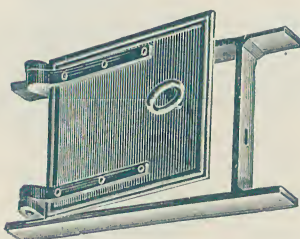
No. 1605.



**Medium Door and Frame.**

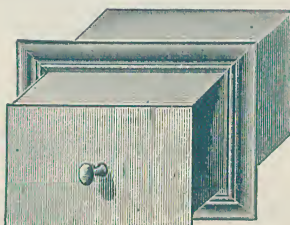
Sizes	...	...	No. 1	2	3	4	5	6	
Light	...	...	1/3	1/6	2/-	2/3	—	—	each.
Medium	...	...	1/9	2/3	2/9	3/9	—	—	"
Strong	...	...	2/9	3/3	4/-	5/6	7/-	8/6	"

No. 1607.

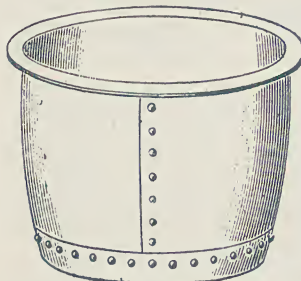


**Soot Door.**

No.	...	0	1	2	3	4
Width of opening	...	5¼	6¼	7¼	8½	9½ in.
Price	...	1/2	1/6	1/8	2/-	2/3 ea.



No. 1600.

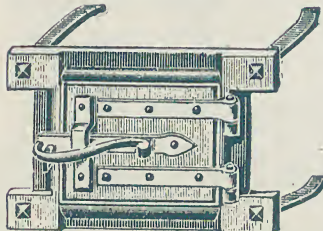


**Copper Furnace Pans.**

Best Riveted. Price 1/8 per lb.  
Subject to market fluctuations.

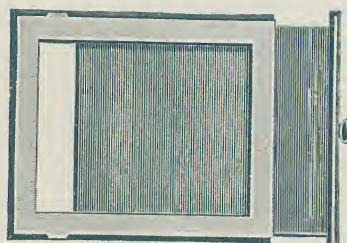
DIMENSIONS.		
Contents in Gallons.	Inside Diameter at Top.	Approximate Weight.
8	16 in.	12 lb.
10	18 in.	15 lb.
12	19 in.	18 lb.
14	20 in.	20 lb.
16	21 in.	24 lb.
20	23 in.	31 lb.
26	25 in.	40 lb.
30	26 in.	45 lb.

No. 1606.



**Strong Door and Frame.**

No. 1608.



**Dampers and Frames.**

Size of opening.	Price.
4½ × 4½ in.	1/- each.
6 × 5 in.	1/3 each.
7 × 6 in.	1/6 each.
8 × 7 in.	1/9 each.
10 × 6 in.	2/3 each.

No. 1609.

**Soot Boxes.**

Sizes, inside Frame.	Price.
4 × 3¼	1/6 each.
5½ × 4	2/- each.
7 × 5	2/9 each.
8½ × 5½	3/3 each.

No. 1601.

**Japanned Sheet Iron Washing Copper.**

Fitted with Galvanized Pan,  
2 ft. Stove Pipe, and  
Elbow complete.



Sizes 6 8 10 12 16 18 20 gals.  
Price 20/- 23/6 27/6 31/- 37/6 43/- 47/6 each.

**No. 1602.** With Atmospheric Gas Burner.  
Sizes 6 8 10 12 16 18 20 gals.  
Price 20/- 23/6 27/6 31/- 37/6 43/- 47/6 each.

**No. 1603.** With Gas Burner to swing out.  
Sizes 6 8 10 12 16 18 20 gals.  
Price 26/6 30/- 34/- 40/- 46/- 51/6 56/- each.

**No. 1604.**  
With double supply Gas Burners to swing out.  
Sizes 6 8 10 12 16 18 20 gals.  
Price 30/- 33/9 38/- 43/6 50/- 55/6 60/- each.

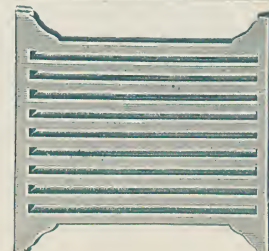
No. 1610.



**Range Bars, with Wrought Iron Pins**  
Length 6 6½ 7 7½ 8 8½ 9 9½ 10 in.  
Price 4/- 4/6 4/9 5/3 5/6 6/- 6/6 7/- 7/6 dz.  
Above can be supplied in ¼ inches larger if desired. Prices as next size larger.

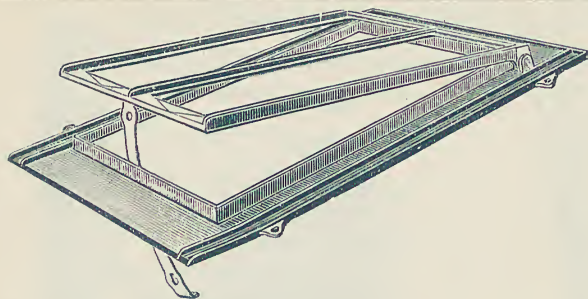
No. 1611.

**Furnace Gratings.**



Length 9 10 10 11 12 13 14 in.  
Width x x x x x x x  
across centre 6 6 7 7 8 9 9 in.  
**1611.** Light -/6 -/7 -/8 -/11 1/1 1/4 1/6 ea.  
**161a.** Strong -/9 -/10 1/- 1/2 1/4 1/6 1/9 ea.





### CAST IRON SKYLIGHTS, DEADLIGHTS, AND DUPRE'S LIGHTS.

#### No. 1612.

These Lights are strong and well fitted.

If fitted with pulley for cord,  
**4/6** each extra.

Opening Sizes.	Over all Sizes.		No. 1612.	No. 1613.
	Skylights.	Deadlights.	Skylights.	Deadlights.
8 by 12 in.	15 by 22 in.	16 by 22 in.	5/-	3/3 each.
10 " 15 "	17 " 25 "	18 " 25 "	6/-	3/6 "
12 " 14 "	19 " 24 "	20 " 24 "	6/6	3/9 "
12 " 17 "	19 " 27 "	20 " 27 "	6/9	4/6 "
14 " 20 "	21 " 30 "	22 " 30 "	7/3	5/- "
16 " 24 "	23 " 34 "	24 " 34 "	8/-	6/- "
18 " 24 "	25 " 34 "	26 " 34 "	10/-	6/9 "
15 " 30 "	22 " 40 "	23 " 40 "	10/-	6/9 "
18 " 30 "	25 " 40 "	26 " 40 "	11/-	8/- "
20 " 30 "	27 " 40 "	28 " 40 "	12/3	8/3 "
18 " 36 "	25 " 46 "	26 " 40 "	12/9	8/6 "
20 " 36 "	27 " 46 "	28 " 46 "	13/6	9/- "
24 " 36 "	31 " 46 "	32 " 46 "	15/-	10/- "
30 " 36 "	40 1/2 " 47 1/2 "	38 " 46 "	18/3	13/- "
24 " 42 "	35 " 53 1/2 "	32 " 51 1/2 "	16/9	11/- "
30 " 42 "	41 " 53 1/2 "	32 " 51 1/2 "	20/3	14/3 "
36 " 42 "	47 " 53 1/2 "	44 " 52 "	25/-	17/- "
36 " 48 "	47 " 59 1/4 "	44 " 58 "	30/-	21/- "
36 " 54 "	47 " 66 "	44 " 64 "	43/6	29/6 "

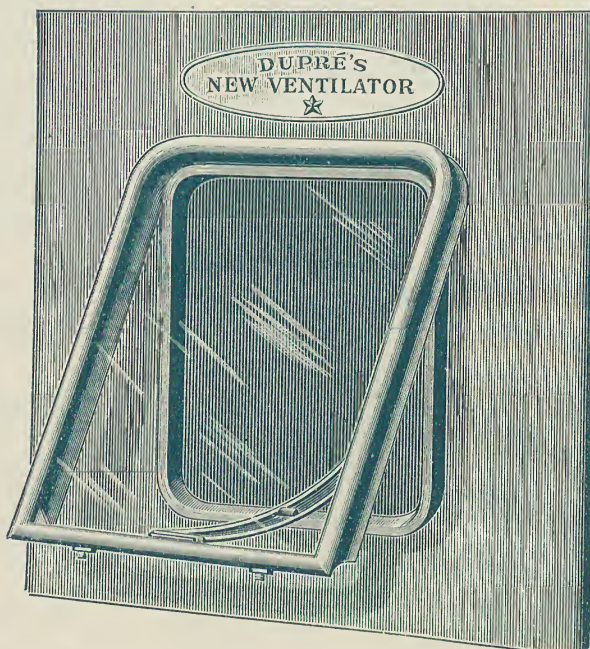
### PATENT VENTILATING ROOF LIGHT.

#### No. 1616.

This simple arrangement has received the highest approbation of Architects, Builders, and the public generally. Its object is to ventilate and purify through Slate, Tile, and other Roofs, Dwelling Houses, and any Buildings requiring Light and Ventilation. It is equally as applicable to the Mansion or Cottage; for Public Buildings, Workshops, Stores, Stables, or Lofts. It is as easily fixed in a Roof as a common Slate, and may be introduced into old Roofs.

It is perfectly water-tight in the most exposed locality, without paint or putty, and superior and cheaper in every way to any other at present known. Being manufactured of strong Zinc, will last as long as the Slate.

The dimensions given are sizes of openings for glass.



No.	Stock Sizes.	Price each.	No.	Stock Sizes.	Price each.
1	22 by 17 in.	14/9	5	11 by 9 in.	6/-
2	19 " 14 "	12/3	6	35 " 22 "	30/-
3	16 " 12 1/2 "	9/3	7	30 " 20 "	25/-
4	13 " 11 "	7/9	8	25 " 18 "	20/-

Larger Sizes made to order.

**Awards for Excellence of Machines and Tools:**

#### No. 1614.



CAST IRON CLOTHES POST.

#### No. 1615.



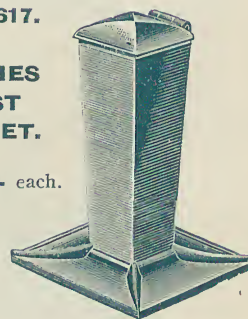
BAY WINDOW COLUMNS.

Price 11/- each. | Price 2/3 foot.

#### No. 1617.

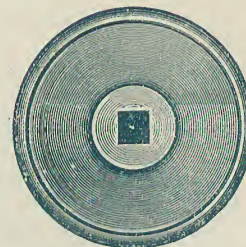
### CLOTHES POST SOCKET.

Price 4/- each.



#### No. 1618.

### WALL TIE PLATES.



Sizes 6 8 10 12 in.  
Prices -/9 1/6 2/9 3/9 each.



## AIR BRICKS, GRATINGS, Etc.

No. 1622.



Ornamental.  
Sizes and Price.

No. 1623. Light.

9×3 9×6 9×9 12×6 12×9 14×6 in.  
3/- 5/- — — — — per doz.

No. 1624. Light, Galvanized.

6/- 11/- — — — — "

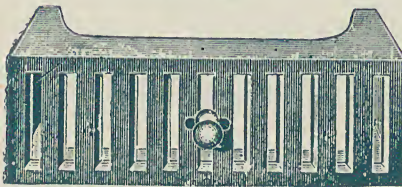
No. 1625. Strong.

6/- 9/- 12/- 12/- 16/- 13/6 "

No. 1626. Strong, Galvanized.

12/- 18/- 24/- 24/- 32/- 27/- "

No. 1631.



With Slide.

No. 1631. Light.

Sizes 9×3 9×6 14×6 in.  
Price 7/- 12/- — per doz.

No. 1632. Light, Galvanized.

" 14/- 24/- — "

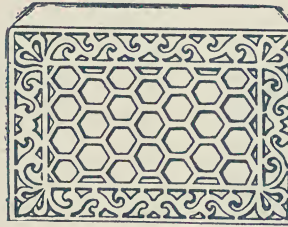
No. 1633. Strong.

" 10/- 15/- 19/- "

No. 1634. Light, Galvanized.

" 18/6 30/- 38/- "

No. 1627.



Sizes and Price.

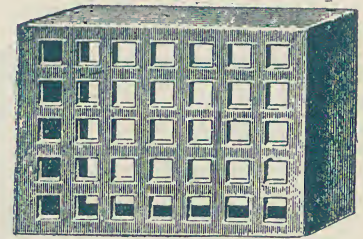
No. 1627. Plain.

9×6 12×6 12×9 12×12 18×6 18×9 in.  
16/- 26/- 30/- 42/- 30/- 32/- pr.dz.

No. 1628. Galvanized.

28/- 45/- 54/- 70/- 54/- 60/- "

No. 1629



School Board Pattern, Closed Ends.

Sizes and Price.

No. 1629. Plain.

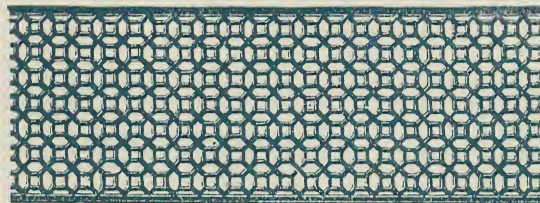
9×3 9×6 9×9 12×9 12×12 in.  
6/- 14/- 16/- 21/- 30/- per doz.

No. 1630. Galvanized.

13/- 30/- 33/- 48/- 64/- "

No. 1635.

Air Grating.



$\frac{5}{8}$  in. thick.

Cutting to shorter lengths. 1/- each Grating extra.

per foot.

In lengths, 3 ft. 6 in. × 6 in. 1/-

" " × 7 " 1/3

" " × 8  $\frac{1}{2}$  " 1/6

" " × 9 " 1/8

" " × 12 " 1/10  $\frac{1}{2}$

" " × 15 " 2/3

" " × 18 " 2/9

## CAST IRON VENTILATING GRATINGS.

No. 1636.



2  $\frac{7}{8}$  in. wide.  $\frac{1}{4}$  in. thick.  
-/5  $\frac{1}{2}$  per foot.

No. 1639.



Centre  $\frac{1}{4}$  in., border  $\frac{1}{8}$  in. thick.

In lengths, 4 ft. long and under.

4  $\frac{3}{4}$  5  $\frac{7}{8}$  7 8  $\frac{1}{4}$  in. wide.  
2/6 3/- 3/6 4/- each.

No. 1637.



24  $\frac{1}{2}$  × 3  $\frac{1}{4}$  in. 2  $\frac{1}{4}$  lb.  
Light Frieze, about  $\frac{1}{8}$  in. thick. -/9 each.

No. 1640.



$\frac{1}{2}$  in. thick.

In lengths, 18, 24, 36, and 48 in.

Also made both ends open and both ends closed.

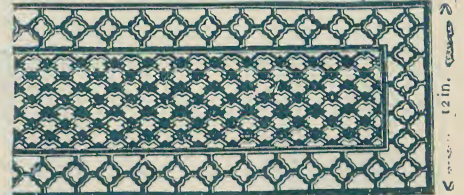
1/3 per foot.

No. 1638.



$\frac{3}{8}$  in. thick, 49 in. long, and under × 6 in. wide.  
3/- each.

No. 1641.



In lengths, 18, 24, 36, and 48 in.  
Also made both ends open and both ends closed.  
1/10 per foot.

We shall be pleased to quote for Cast and Wrought Iron Area Gratings, Wrought Iron Grills, and all kinds of Ornamental Ironwork upon receipt of specification.

Bronze Medal, 1884.—Gold Medal, 1890.



## INDIA-RUBBER DOOR SPRINGS, DRAUGHT STOP, Etc.

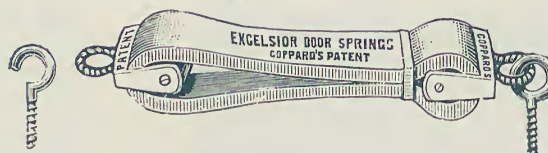
No. 1643.



India-rubber Door Spring.

Sizes ...	...	...	A	B	C	D
Price ...	...	...	-10	1/2	1/4	1/10 each.

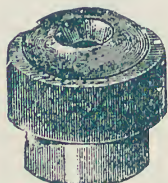
No. 1644.



Flat India-rubber Door Spring.

Sizes ...	...	1	2	3
No. 1644. Best Grey	...	2/-	2/9	3/9 each.
" 1645. " Red	...	2/-	2/9	3/9 "

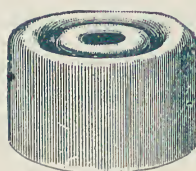
No. 1646.



Door Stop with India-rubber Band.

Small 2/3	Large 3/-	per doz.
Small -3	Large -4	each.

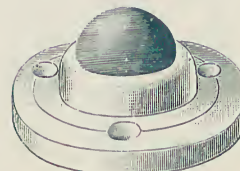
No. 1647.



Solid Rubber Door Stop.

Small 4/-	Large 5/-	per doz.
Small -5	Large -6	each.

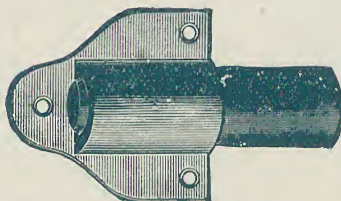
No. 1648.



Door Buffer.

Small 4/-	Large 6/-	per doz.
Small -6	Large -8	each.
With Oak Back, 1/3 each.		

No. 1649.



Patent Door Silencers.

Price ...	...	5/6 per doz.
" ...	...	-6 each.

No. 1650.



Patent Door Silencer.

Price (3 on a card) 1/3 per card.

No. 1651.



Closet Seat Buffers.

Small...	...	-8 per doz.
Medium	...	1/- "
Large	...	1/3 "

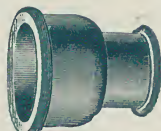
No. 1652.



W.C. Plungers.

With 3 ft. Iron Handle, 4 in. Rubber Disc.  
Price 2/6 each.

No. 1653.



India-rubber Closet Cones.

1 1/4 in	...	-8 each.
1 1/2 in.	...	1/- "
Special Pure Rubber Double-beaded. Price 2/3 each.		

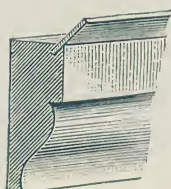
No. 1654.



India-rubber Closet Cones.

Price -9 each.

No. 1655.



Draught Stop.

Sizes ...	3/4	1 in.
Price ...	-2	-2 1/2 per foot.
In 7 ft. lengths.		

No. 1656.

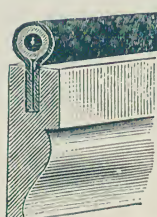


Draught Stop.

Price -2 1/2 per foot.

In 7 ft. lengths.

No. 1657.



Draught Stop.

Tube covered Red or Green.

Price -3 per foot.

In 7 ft. lengths.

No. 1658.



India-rubber Force Cups.

No. 1658.	Small	1/9 each.
" 1659.	Medium	3/6 "
" 1660.	Large	6/- "

Awards for Excellence of Machines and Tools:



# DRAUGHT EXCLUDERS, INDIA-RUBBER MATS, SQUEEGEES, Etc.

No. 1661.



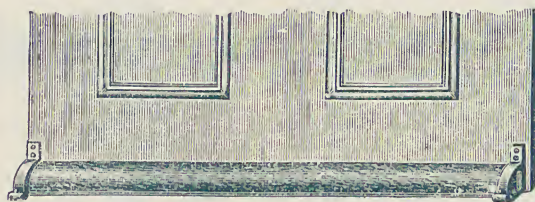
**India-rubber Draught Tube.**

In coils of 60 ft.

**No. 1661.** Rubber and Canvas Flange       $\frac{1}{8}$     $\frac{1}{6}$     $\frac{1}{4}$  in.  
3/6 4/9 7/- doz. yds.

**No. 1662.** Covered with Green or Red Cloth      8/6      ..

No. 1663.



**Patent Draught Excluder.**

This simple invention consists of a Roller covered with best quality plushette, which revolves between two Brass Brackets when the door is opened or closed.

Sizes 3 ft. lengths, 4/- 3 ft. 6 in. lengths, 4/6 4 ft. lengths, 5/- each.

No. 1664.

**Patent Reversible Draught Excluders.**

Sizes 36 39 42 45 48 in.  
Price 4/- 4/3 4/6 4/9 5/- each.

No. 1665.



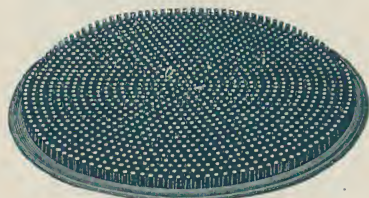
**"Universal" Door Slide.**

It has no rotary movement to clog the bearings, and being very light it freely runs over the different levels of the flooring.

Stained and Varnished Oak, complete with Ends, Screws, and directions for fixing.

Sizes ... .. 33 39 45 in.  
Price ... .. 1/6 1/9 2/3 each.

No. 1667.



**India-rubber Mats.**

For Cash Desks, etc.

Pyramid Rubber.

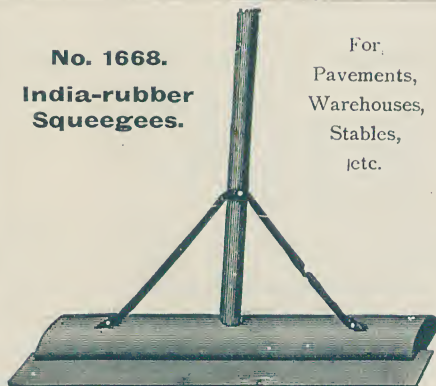
Sizes ... .. 6 9 in.

Price ... .. 2/3 4/- each.

Octagon Shape ... .. 3/3 each.

No. 1668.

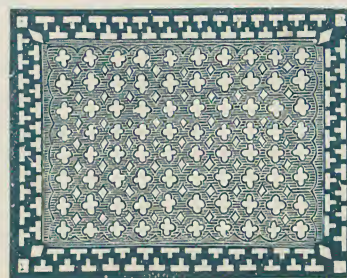
**India-rubber Squeegees.**



For Pavements, Warehouses, Stables, etc.

Sizes 18 20 22 24 in.  
Price 3/6 4/- 4/6 5/- each.

No. 1666.



**Vulcanized India-rubber Mats.**

For Doors, Carriages, Baths, Conservatories, etc.

Made to pattern or measure, any shape, from  $\frac{1}{4}$  in. thick upwards.

Approximate weight per square foot,  $\frac{3}{8}$  in. thick, 1 lb. 9 oz.

Any name or initial can be stamped on them at -/6 per letter.

No. 1 quality, 3/- No. 2 quality, 2/6 per lb.

No. 1669.



**Suction Holder Hooks.**

Small  $\frac{1}{2}$  2/- per doz.

Large 3/- per doz.

These adhere to glass tenaciously, and will hold for an indefinite time.



**WOOD CORNICE POLES, DRAWER KNOBS, Etc.****No. 1670.****Wood Cornice Poles.**

Complete, with Ends, Brackets, and Rings,  $1\frac{3}{8}$  in. diameter,  
Imitation Mahogany, Walnut, or Birch.  
5 ft. long, **2/3**. | 6 ft. long, **2/9** each.

**Wood Cornice Pole Rings.****No. 1673.**

Sizes  $1\frac{3}{4}$  2  $2\frac{1}{4}$   $2\frac{3}{4}$   $3$  in.  
Imitation Mahogany, Walnut, or Birch... **1/- 1/1 1/3 1/6 1/8 2/-** doz.  
Real Mahogany ... **— 1/10 2/1 2/6 3/-** „  
Real Walnut ... **— 2/6 3/3 4/- 4/6** „

**No. 1671.****Wood Cornice Poles (only).**

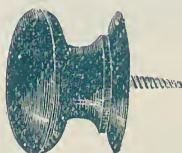
Sizes	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{3}{4}$	$3$ in.	
Mahogany	—	<b>-9</b>	<b>-11</b>	<b>1/2</b>	—	<b>1/8</b> per foot.
Imitation Mahogany	<b>-3</b>	<b>-3</b>	<b>-5</b>	<b>-6</b>	<b>-7</b>	<b>-9</b> „
„ Birch	<b>-3</b>	<b>-3</b>	<b>-5</b>	<b>-6</b>	<b>-7</b>	<b>-9</b> „
„ Walnut	<b>-3</b>	<b>-3</b>	<b>-5</b>	<b>-6</b>	<b>-7</b>	<b>-9</b> „

**No 1674.****Wood Cornice Pole Ends.**

Sizes	$3$	$4$ in.	
Imitation Mahogany, Walnut, or Birch	<b>1/-</b>	<b>1/3</b>	per pair.
Real Mahogany	<b>2/-</b>	<b>2/6</b>	„
Walnut	<b>2/9</b>	<b>3/6</b>	„

**No. 1675.****Wood Sash Pull Handles.**

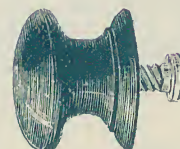
Cocus or Boxwood with two  
I.R. Rings on each, **3/-** per  
single dozen.

**No. 1676.****Iron Screw.**

Sizes  $1\frac{1}{4}$   $1\frac{1}{2}$  2 in.

**No. 1676.** Black **1/- 1/2 1/4** doz.

**No. 1677.**—  
Imitation Mahogany, Walnut, or Birch } **1/- 1/2 1/4** doz.

**Drawer Knobs.****No. 1678.****Dixon's Screw.**

Size  $1\frac{1}{2}$   $1\frac{3}{4}$  2  $2\frac{1}{4}$  in.

**No. 1678.** Black. ... Price **1/1 1/2 1/6 1/9** doz.

**No. 1679.** Imitation Mahogany, Walnut, or Birch „ **1/1 1/2 1/6 1/9** doz.  
Real Oak ... „ **1/6 — 1/9 2/-** doz.

**No. 1680.** Real Walnut or Mahogany ... „ **1/9 — 2/6 2/9** doz.

**No. 1681.****Cupboard Turns.**

Imitation Mahogany, Walnut, or Birch.

Sizes	...	...	...	$1\frac{1}{4}$	$1\frac{1}{2}$	in.
Prices	...	...	...	<b>2/3</b>	<b>2/6</b>	per doz.

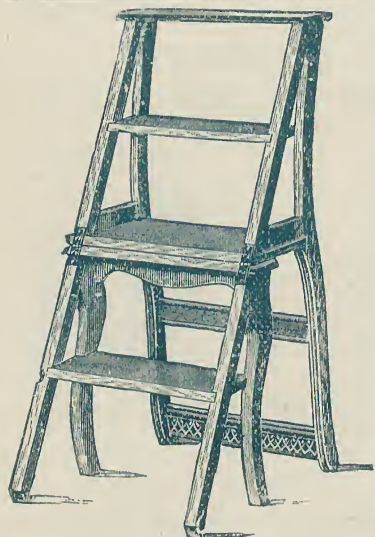
**No. 1682.****Blind Acorns.**

		per doz.
<b>No. 1682.</b>	Polished Boxwood, to unscrew	<b>1/-</b>
<b>No. 1683.</b>	„ with Rubber Ring	<b>1/6</b>
<b>No. 1684.</b>	Vegetable Ivory, to unscrew	<b>2/3</b>
<b>No. 1685.</b>	„ with Rubber Ring	<b>2/6</b>

**STEP LADDER AND CHAIR COMBINED.****No. 1686.**

Is very useful in any house for Library, Hall or  
Kitchen, and also in the Shop or Warehouse.

Price, Unvarnished, **12/6** each.



As Step Ladder.



As Chair.

**Awards for Excellence of Machines and Tools :**



## WOOD BALLUSTERS, NEWELS, CHINA NAME-PLATES, Etc.

No. 1690.



No. 1691.



No. 1692.



No. 1693.



No. 1694.



No. 1695.



No. 1696.



### WOOD BALLUSTERS.

Nos. 1690-1-2-3.	Size	...	1 1/4	1 1/2	1 3/4	2 in.	
	Deal	...	2/9	2/11	—	—	per doz.
"	Pitch Pine	—	8/-	11/-	15/-	—	"

### NEWELS.

Nos. 1694-5-6.	Height	...	4 1/2	5	5 1/2	6 ft.	
"	Deal, 3 in.	1/10	2/-	2/3	2/9	—	each.
"	Deal, 4 in.	3/3	3/6	4/-	4/3	—	"
"	Pine, 4 in.	6/3	7/-	7/6	9/-	—	"
"	Pine, 5 in.	9/-	9/6	10/-	11/-	—	"
"	Pine, 6 in.	11/-	11/9	12/6	13/6	—	"

### CHINA NAME AND NUMBER PLATES.

No. 1697.



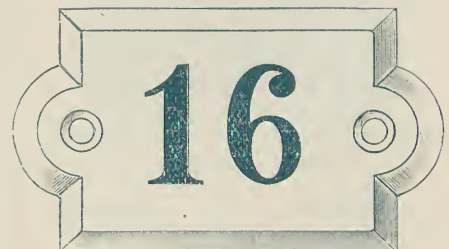
Price -/7 each.

No. 1698.



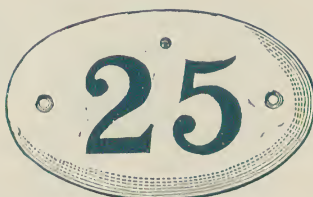
Price -/6 each.

No. 1699.



Black and White.  
Size 3 x 1 1/2 in.  
Price -/5 each.

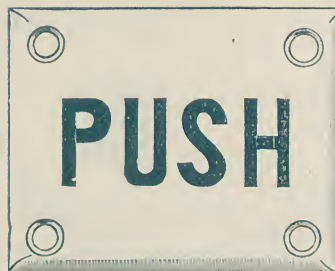
No. 1700.



China Number Plate.

Size	...	2 3/4	3	3 1/2	in.
Price	...	-/6	-/6	-/7	each.

No. 1701.



Black on White.  
Size 2 2 1/2 3 3 1/2 4 5 x 2 in.  
Price -/6 -/6 -/7 -/8 -/10 1/1 each.  
"Pull," same price.

No. 1702.



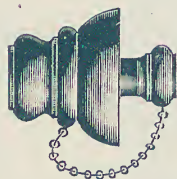
China.  
Price -/6 each.

Bronze Medal, 1884.—Gold Medal, 1890.



## SPEAKING-TUBE FITTINGS.

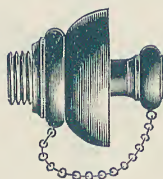
No. 1703.

**Round Mouthpieces and Whistles.**Screwed Female, for  $\frac{1}{2}$ -in. or  $\frac{3}{4}$ -in. Iron.

No. 1703. Cocus ... 10/6 doz.

„ 1704. Ebony ... 11/6 „

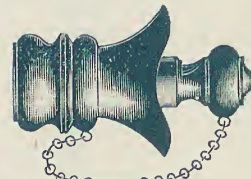
No. 1705.

**Round Mouthpieces and Whistles.**Screwed Male, for  $\frac{1}{2}$ -in. or  $\frac{3}{4}$ -in. Iron.

No. 1705. Cocus ... 10/6 doz.

„ 1796. Ebony ... 11/6 „

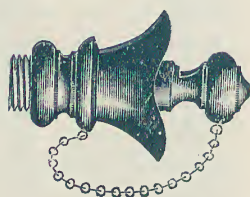
No. 1707.

**Oval Mouthpieces and Whistles.**Screwed Female, for  $\frac{1}{2}$ -in. or  $\frac{3}{4}$ -in. Iron.

No. 1707. Cocus ... 16/- doz.

„ 1708. Ebony ... 17/6 „

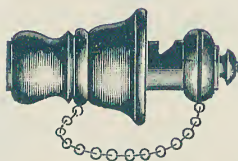
No. 1709.

**Oval Mouthpieces and Whistles.**Screwed Male, for  $\frac{1}{2}$ -in. or  $\frac{3}{4}$ -in. Iron.

No. 1709. Cocus ... 16/- doz.

„ 1710. Ebony ... 17/6 „

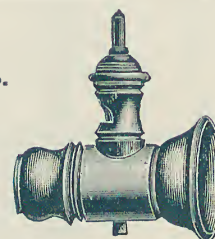
No. 1711.

**Long Round Mouthpieces and Whistles.**

No. 1711. Cocus ... 17/- doz.

„ 1712. Ebony ... 19/- „

No.



1713.

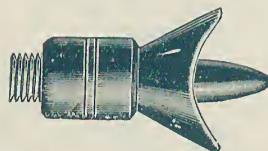
**Improved Mouthpieces and Whistles.**

Complete in one; always in place for use.

No. 1713. Cocus ... 4/- each.

„ 1714. Ebony ... 4/6 „

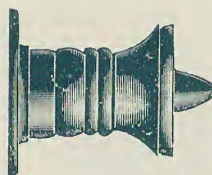
No. 1715.

**Simplex Blow-out Mouthpiece and Whistle.**

No. 1715. Cocus ... 20/- doz.

„ 1716. Ebony ... 24/- „

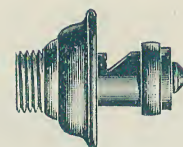
No. 1717.

**Blow-out Mouthpieces and Whistles.**

With Plates and Brass Mounts, Burnished and Lacquered.

Ebony ... 3/6 each.

No. 1718.

**Lacquered Brass Mouthpieces and Whistles. Round.**No. 1718.  $\frac{3}{4}$ -in. Male... 3/6 each.

„ 1719. Do., with Indicator 4/- „

No. 1720.

**Brass Couplers.**

Female, for Iron and Braided Tube.

Sizes  $\frac{1}{2} \times \frac{3}{4}$   $\frac{3}{4} \times \frac{3}{4}$  or  $\frac{7}{8}$  1 x 1 in.

Price 5/6 7/6 9/- doz.

No. 1721.

**Brass Pommels.**

Male, for Iron and Braided Tube.

Sizes  $\frac{1}{2} \times \frac{3}{4}$   $\frac{3}{4} \times \frac{3}{4}$  or  $\frac{7}{8}$  1 x 1 in.

Price 5/6 6/- 9/- each.

No. 1722.

**Brass Couplers.**

Female, for Iron and Braided Tube.

Sizes  $\frac{1}{2} \times \frac{3}{4}$   $\frac{3}{4} \times \frac{3}{4}$  or  $\frac{7}{8}$  in.

Price 5/6 7/6 doz.

Speaking Tube Mouthpieces with Indicators charged 2/6 doz. extra to above prices.

Awards for Excellence of Machines and Tools:



## SPEAKING-TUBE FITTINGS.

**No. 1723.**



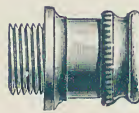
**Brass Ferrule.**

Female, for Iron and Compo.

Sizes  $\frac{1}{2}$   $\frac{3}{4}$  1 in.

Price 4/6 5/9 7/- doz.

**No. 1724.**



**Brass Pommels.**

Male, for Iron and Braided Tube.

Sizes  $\frac{1}{2} \times \frac{3}{4}$   $\frac{3}{4} \times \frac{3}{4}$  or  $\frac{7}{8}$  1 x 1 in.

Price 5/6 6/- 11/- doz.

**No. 1725.**



**Brass Pommels with Plate.**

Male, for Iron and Braided Tube.

Sizes  $\times \frac{3}{4}$   $\frac{3}{4} \times \frac{3}{4}$  or  $\frac{7}{8}$  in.

Price 10/- 11/- doz.

**No. 1726.**



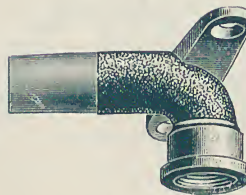
**Brass Elbow.**

Female and Tinned, for Iron and Compo.

Sizes  $\frac{1}{2}$   $\frac{3}{4}$  1 in.

Price 9/- 11/- 16/- doz.

**No. 1727.**



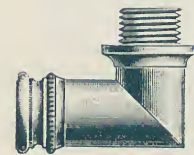
**Brass Long Elbows.**

Female and Tinned, for Iron and Compo.

$\frac{1}{2}$  in. Rough 13/- doz.

$\frac{1}{2}$  in. Finished 16/- „

**No. 1728.**



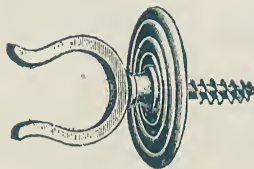
**Brass Elbows.**

Male, for Iron and Braided Tube.

Sizes  $\frac{1}{2} \times \frac{3}{4}$   $\frac{3}{4} \times \frac{7}{8}$  in.

Price 14/- 15/6 doz.

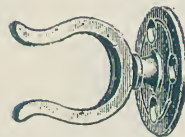
**No. 1729.**



**Brass Mouthpiece Holder and Stamped Rose.**

Per 6/- doz.

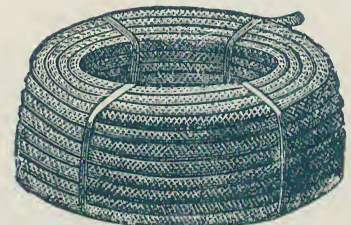
**No. 1730.**



**Brass Mouthpiece Holder and Cast Plate.**

Per 7/- doz.

**No. 1731.**



**Braided Flexible Tube.**

Sizes  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  in.

Price -/7 $\frac{1}{2}$  -/8 $\frac{1}{2}$  -/11 1/4 per foot.



**No. 1732.**

**Professional Door Plate.**

Brass,  
with Brass Bell Push and  
Mouthpiece,  
engraved "Press,"  
"Night," and  
"Speaking Tube."

Size 8 $\frac{1}{2}$  x 3 in.

Price 13/- each.

**No. 1733.**



**Speaking-Tube Terminals.**

With Oval Cocus Mouthpiece and Whistle,  
18 in. Braided Tube, and Wall Plate as shown.

Price 5/9 each.

**No. 1734.**

**Compo Pipe.**

For Speaking-Tubes.

Sizes ...  $\frac{1}{2}$   $\frac{3}{4}$  1 in. dia.

Weight per foot  $\frac{1}{2}$   $\frac{3}{4}$  1 lb. avg.

Price -/4 $\frac{1}{2}$  lb.

In  $\frac{1}{2}$  cwt. Coils.

Any quantity cut.

Subject to Market Fluctuations

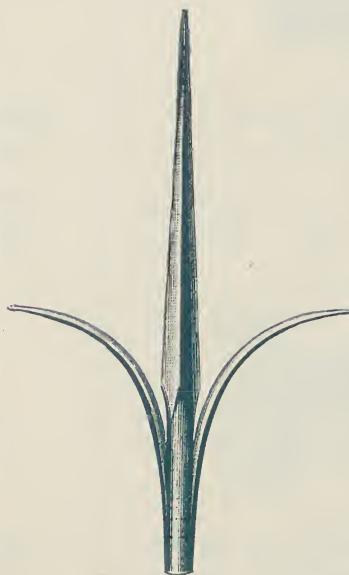


## LIGHTNING CONDUCTORS.

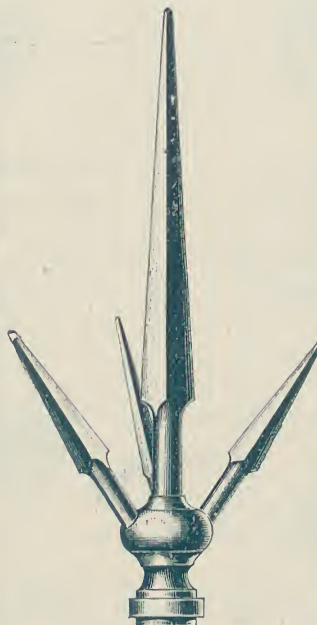
No. 1735.



No. 1736.



No. 1737.



No. 1738.



### High-Conductivity Solid Copper Terminals.

No. 1735.

#### Solid Copper Plain Spear Point.

With Copper Coupling for Rope or Tape, and two strong Galvanized Supports, complete.

3 ft. 6 in. $\times \frac{3}{8}$ rod	14/-	each.
4 ft. $\times \frac{1}{2}$ rod	18/-	"
4 ft. 6 in. $\times \frac{5}{8}$ rod	25/-	"
4 ft. 6 in. $\times \frac{3}{4}$ rod	32/-	"

No. 1736.

#### Solid Copper Crow's-foot Point.

4 ft. 6 in. long by  $\frac{1}{2}$  in. diameter, and fittings as No. 1735.

Price 25/- each.

No. 1737.

#### Solid Copper Point and Three Attractors.

With  $\frac{5}{8}$  in. diameter strong Seamless Copper Elevating Tube, 5 ft. long, Copper Coupling, and Galvanized Supports.

Price 30/- each.

No. 1738.

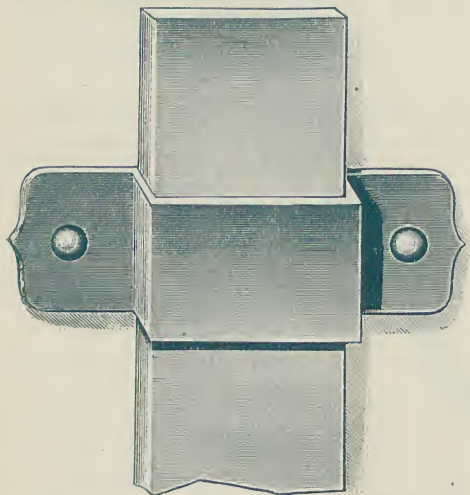
#### Solid Copper Terminal for Top of Flagstaff.

With Davison's Improved Coupling for either rope or tape.

Price 32/- each.

No. 1739.

#### SOLID COPPER TAPE AND CLIP.



#### BEST SOLID COPPER TAPE.

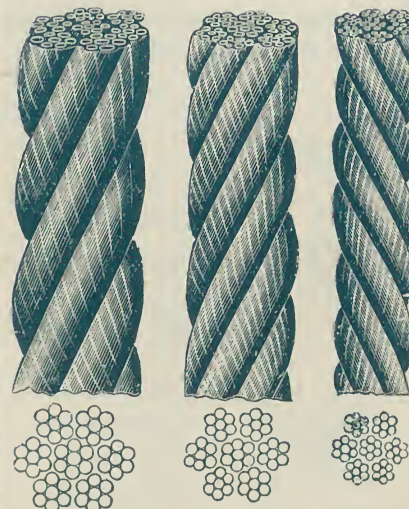
In Continuous Lengths.

$\frac{3}{4} \times \frac{1}{8}$ inch	}	...	-9	per foot.
or				
$1\frac{1}{2} \times \frac{1}{16}$ "	}	...	-10 $\frac{1}{2}$	"
$\frac{7}{8} \times \frac{1}{8}$ "				
$1 \times \frac{1}{8}$ "	}	...	11/-	"
or				
$2 \times \frac{1}{16}$ "	}	...	12	"
$1\frac{1}{8} \times \frac{1}{8}$ "				
$1\frac{1}{4} \times \frac{1}{8}$ "	}	...	13	"
or				
$2\frac{1}{2} \times \frac{1}{16}$ "	}	...	15	"
$1\frac{1}{2} \times \frac{1}{8}$ "				

Any other size made to order.

#### No. 1740. SOLID COPPER ROPE OF 49 WIRES.

Guaranteed conductivity 98 per cent.



$\frac{1}{2}$  in. diameter. 133/-  
 $\frac{3}{4}$  in. diameter. 103/-  
 $\frac{1}{2}$  in. diameter. 78/- per 100 feet.  
 Any length cut to order.

#### No. 1741. COPPER CLIPS (AND NAILS) FOR COPPER TAPE.

$\frac{3}{4}$	$\frac{1}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$ in.
3/3	3/6	3/9	4/-	4/3	4/9	6/-	7/- per doz.

Awards for Excellence of Machines and Tools:

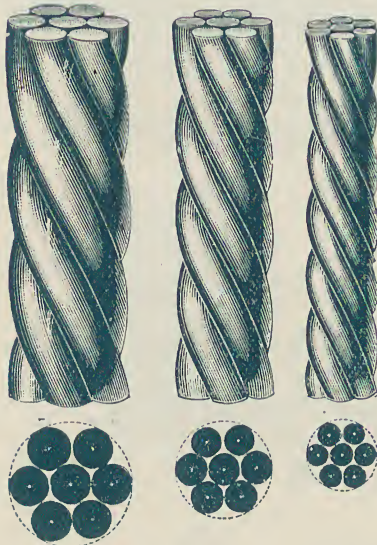


## LIGHTNING CONDUCTORS, Etc.

No. 1742.

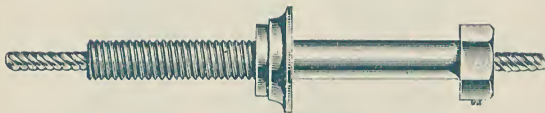
### Solid Copper Rope of 7 Wires.

Guaranteed Conductivity, 98 %.



$\frac{5}{8}$        $\frac{1}{2}$        $\frac{3}{8}$  in. diameter.  
**144/-      108/-      78/-** per 100 ft.  
Any length cut to order.

No. 1747.



### Gun Metal Straining Bolts.

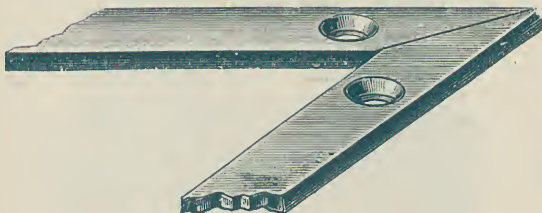
Complete, with strong Galvanized Holdfasts.

Price **9/-** each.

### Brass Edging,

to give special finish to No. 1749 Stair Tread.

No. 1750.



Priced per set of three pieces, mitred to fit tread.

	24	27	30	33	in.
For tread 3 in.	<b>2/3</b>	<b>2/9</b>	<b>3/-</b>	<b>3/3</b>	each.
" 4 $\frac{1}{2}$ "	<b>2/9</b>	<b>3/-</b>	<b>3/3</b>	<b>3/6</b>	"
" 6 "	<b>2/9</b>	<b>3/3</b>	<b>3/6</b>	<b>3/9</b>	"
" 7 $\frac{1}{2}$ "	<b>3/-</b>	<b>3/6</b>	<b>3/9</b>	<b>4/-</b>	"

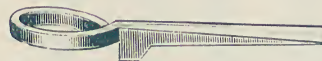
No. 1743.



### Copper Holdfasts, for Copper Rope.

Sizes  $\frac{3}{8}$        $\frac{1}{2}$        $\frac{5}{8}$  in.  
Price **3/-      3/6      4/-** doz.

No. 1745.



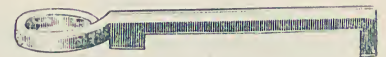
### Galvanized Holdfasts,

for Insulators, to drive.

Per **7/6** doz.

Gun Metal ditto, per **12/6** doz.

No. 1744.

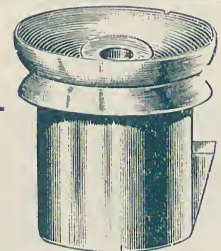


### Galvanized Holdfasts, for Insulators, to build in.

Price **14/-** per doz.

Gun Metal, ditto, **20/-** per doz.

No.



1746.

### Best Annealed Glass Insulators, with Rock Nibs, **8/6** per doz.

No. 1748.

### Copper Grid Earth Plates.

Sizes ... ..  $24 \times 24 \times \frac{1}{8}$        $30 \times 30 \times \frac{1}{8}$        $36 \times 36 \times \frac{1}{8}$  in.  
Price ... .. **16/-      22/-      28/-** each.

### Patent Metallic Woven Stair Tread.

Formed of Steel Cored Lead woven with Steel Wire.

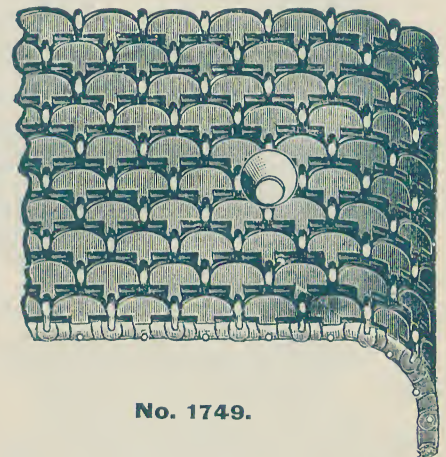
A perfect Stair Tread; slipping impossible; practically noiseless and pleasant to walk on. No special fixing required. Neat in appearance and very durable.

Supplied to Her Majesty's Government, and the Railway Companies.

No. 1751.



### Iron Backing Strip, **-/7** each.



No. 1749.

	Stock sizes	24	27	30	33	36 in. long.
3-in. deep over all, including Nosing...		<b>3/6</b>	<b>4/-</b>	<b>4/6</b>	<b>4/9</b>	<b>5/-</b> each
4 $\frac{1}{2}$ " " " " "		<b>5/-</b>	<b>5/9</b>	<b>6/6</b>	<b>7/-</b>	<b>7/9</b> "
6 " " " " "		<b>6/9</b>	<b>7/9</b>	<b>8/6</b>	<b>9/6</b>	<b>10/-</b> "
7 $\frac{1}{2}$ " " " " "		<b>8/6</b>	<b>9/6</b>	<b>10/9</b>	<b>12/-</b>	<b>13/-</b> "

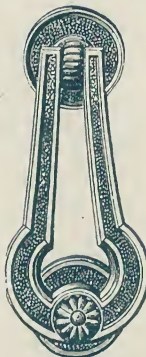
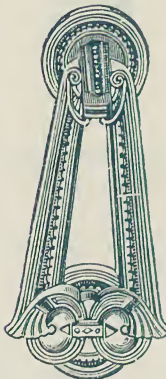
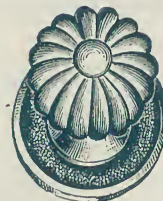
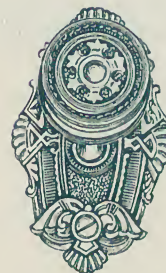
Special sizes quoted for on application.

Can also be supplied in Flat Strips or Sheets.

In the narrow widths it is advisable, for greater protection, to have a Backing Strip along the one edge. Price, in iron up to 36 in., **-/7** each.

**Bronze Medal, 1884.—Gold Medal, 1890.**



**ENAMELLED IRON FRONT DOOR SUITES.****No. 1752.****Postal Handles.** Price 2/6 each.**No. 1755.****Combined Postal Handle and Knocker.**  
Price 2/6 each.**No. 1757.****Postal Handle.** Price 2/9 each.**No. 1760.****Letter Plate.** Price 1/- each.**No.  
1762.****Postal Handle and Knocker.** Price 1/9 each.**No.  
1766.****Letter Plate.** Price 1/- each.**No. 1753.****Door Knocker.**  
Price 1/6 each.**No. 1758.****Door Knocker.**  
Price 1/3 each.**No. 1763.****Door Knocker.**  
Price 1/6 each.**No. 1754.****Letter Plate.** Price 1/- each**No. 1756.****Centre Door Knob.** Price 1/- each.**No. 1759.****Bell Pull.** Price -/10 each.**No. 1761.****Centre Door Knob.** Price 1/- each.**No. 1764.****Bell Pull.**

Price 1/3 each.

**No. 1765.****Centre Door Knob.**

Price 1/3 each.

**Awards for Excellence of Machines and Tools :**



## ENAMELLED IRON FRONT DOOR FURNITURE, Etc.

No. 1767.



Postal Handle. Price 2/6 each.

No. 1768.



Door Knocker.

Price 1/6 each.

No. 1769.



Centre Door Knob.

Price -/10 each.

No. 1770.



Letter Plate. Price 1/- each.

No. 1771.



Bell Pull.

Price 1/3 each.

## IRON DOOR KNOCKERS, Etc.

No. 1772.



Size  $9\frac{3}{4} \times 3\frac{1}{4}$  in.  
Japanned ... 1/- each.  
Bronzed ... 1/2 "

No. 1773.



Bronzed.

Price 1/6 each.

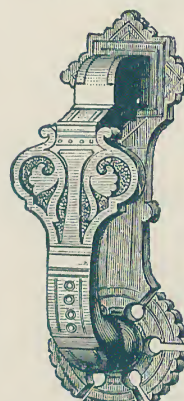
No. 1774.



Bronzed.

Price 1/6 each.

No. 1775.



Bronzed to suit Handle

No. 1777.

Price 1/3 each.

No. 1776.



Bronzed Postal  
Knocker.

Price 1/6 each.

No. 1777.



Postal Handle.

Bronzed and Relieved.

Price 1/6 each.

No. 1778.



Postal Handle and  
Knocker.

Size  $10 \times 5$  in.

Price 2/- each.

No. 1779.



Postal Handle.

Relieved and Varnished.

Size  $8\frac{1}{4} \times 3$  in.

Price 1/9 each.

Bronze Medal, 1884.—Gold Medal, 1890.



MELHUISH'S, Fetter Lane, Holborn Circus, London, E.C.  
**IRON LETTER PLATES, LOCKING BARS, Etc.**

No. 1780.

**Bronzed Iron Letter Plate.**Size  $7\frac{3}{4} \times 3\frac{3}{8}$  in. Price 1/- each.

No. 1783.

**Bronzed Iron Letter Plate.**Size  $6\frac{3}{4} \times 2\frac{1}{4}$  in. Price -/10 each.

No. 1785.

**Malleable Hasp and Staple.**Sizes  $5\frac{1}{2}$   $6\frac{1}{2}$  in.

Price 7/- 9/- doz.

No. 1789.

**Malleable Hasp and Staple.**Sizes  $3\frac{3}{4}$   $4\frac{1}{4}$   $4\frac{3}{4}$   $5\frac{1}{4}$  in.

Price 3/6 4/- 4/6 5/- doz.

No. 1790.

**Malleable Locking Bars,**

for Single Doors.

Sizes	$10 \times 1\frac{3}{8}$	$12 \times 1\frac{3}{4}$	$14 \times 1\frac{7}{8}$	$16 \times 2$	$18 \times 2\frac{1}{2}$	in.
Price	1/8	2/3	2/9	3/9	4/9	each.

No. 1781.

**Upright Letter Plate and Knocker.**Size  $7\frac{7}{8} \times 2\frac{1}{4}$  in.

Price 1/2 each.

No. 1786.

**Upright Letter Plate.**

Price -/10 each.

No. 1782.

**Bronzed Iron Letter Plate.**Size  $5\frac{3}{4} \times 2\frac{3}{8}$  in. Price -/10 each.

No. 1784.

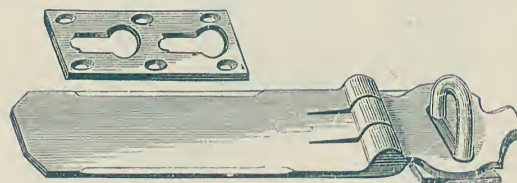
**Bronzed Iron Letter Plate.**Size  $10\frac{1}{4} \times 3\frac{3}{8}$  in. Price 1/6 each.

No. 1787.

**Malleable Hasp and Staple.**

Sizes	6	8	9	10	11 in.
Prices, Black ...	6/6	9/-	12/-	14/-	15/- doz.
Galvanized	8/-	11/-	15/-	16/-	18/- "

No. 1788.

**Malleable Locking Bar.**

Sizes	$10 \times 1\frac{1}{2}$	$12 \times 1\frac{3}{4}$	$14 \times 2$	$16 \times 2\frac{1}{2}$	in.
Price	2/3	2/9	3/-	5/6	each.

No. 1791.

**Malleable B.B. Locking Bar.**

Sizes	$12 \times 1\frac{3}{4}$	$14 \times 1\frac{7}{8}$	$16 \times 2$	$18 \times 2\frac{1}{2}$	$24 \times 2\frac{1}{2}$	$30 \times 2\frac{1}{2}$	in.
Prices	2/6	3/-	3/9	6/-	8/-	9/6	each.

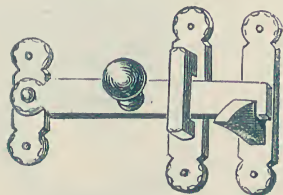
Sizes above 24 in. supplied with two Hook Staples.

**Awards for Excellence of Machines and Tools:**



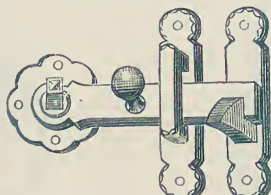
## GOTHIC GATE LATCHES, Etc.

No. 1792.



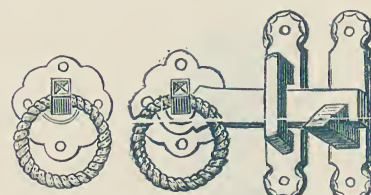
Size of Latch ...  $8\frac{1}{2}$  in.  
Price ... **2/-** per set.

No. 1793.



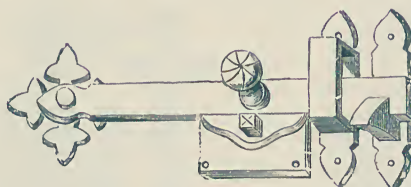
Size of Latch  $5 \quad 6$  in.  
Price ... **1/9 2/-** per set.

No. 1794.



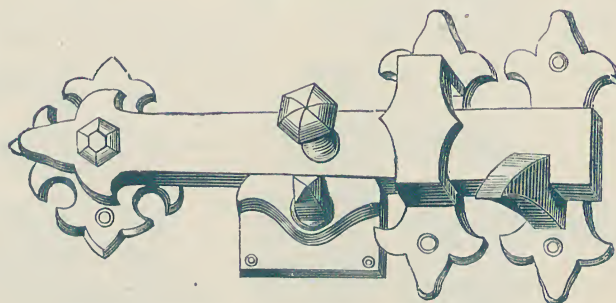
Size of Latch  $5 \quad 7 \quad 9$  in.  
Price ... **3/9 4/- 5/-** per set.

No. 1795.



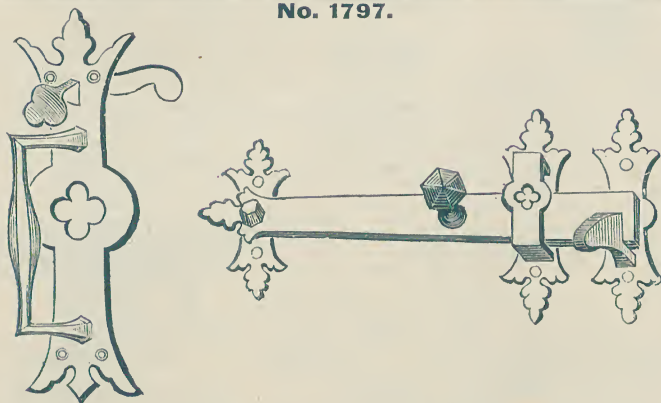
Size of Latch ... **11** in.  
Price ... **2/-** per set.

No. 1796.



Best Berlin Black. Size of Latch  $11\frac{1}{2}$  in.  
Price **3/-** per set.

No. 1797.

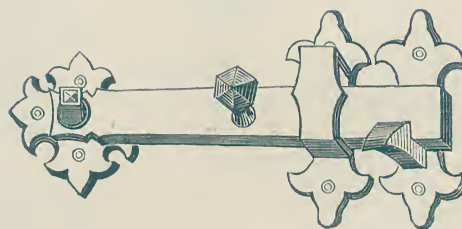


**Gothic Thumb Latch.**

Best Berlin Black.

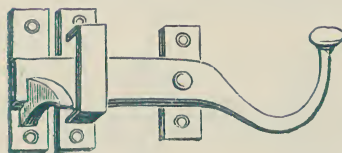
Size of Plate ...  $9\frac{1}{2} \times 2\frac{3}{4}$   $10\frac{1}{2} \times 3$  in.  
Price ... **3/3 4/-** per set.

No. 1798.



Size of Latch ...  $9 \quad 10$  in.  
Price ... **2/9 3/-** per set.  
Suitable for Large Handles.

No. 1799.

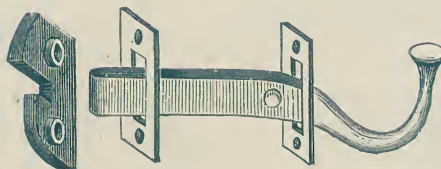


**Flush Gate Latch.**

Berlin Black.

Size of Latch  $6 \quad 8$  in.  
Price ... **1/2 1/5** each.

No. 1800.

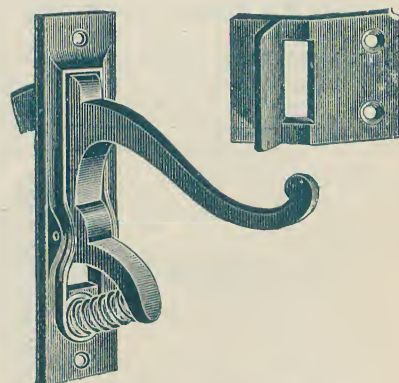


**Gate Latch.**

Berlin Black.

Size of Latch ...  $6 \quad 8$  in.  
Price ... **1/2 1/5** each.

No. 1801.



**Spring Gate Latch.**

Sizes ...  $4 \quad 6$  in.  
Japanned ... **4/6 7/6** per doz.



**BERLIN BLACK GOTHIC DOOR AND GATE HANDLES, Etc.****No. 1802.**

Size of Plate  $2\frac{3}{4}$   $3\frac{3}{4}$  5 in.  
Price **1/2 1/4 2/6** each.

**No. 1803.**

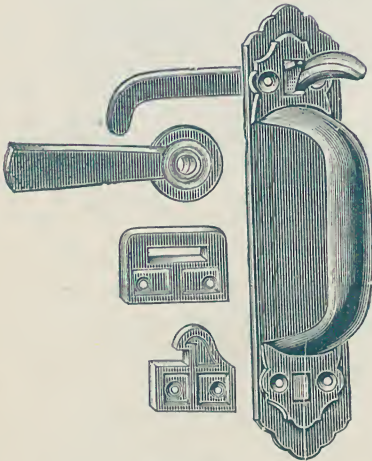
Size of Plate 3 in.  
" " Handle 4 in.  
Price **2/-** each.

**No. 1804.**

Size of Plate  $3\frac{1}{2}$  in.  
" " Handle  $3\frac{1}{2}$  in.  
Price **1/9** each.

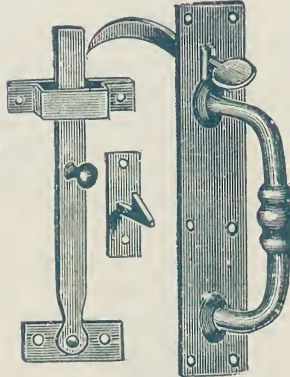
**No. 1805.**

Size of Plate  $3\frac{1}{2}$  in.  
" " Handle 4 in.  
Price **2/6** each.

**No. 1806.**

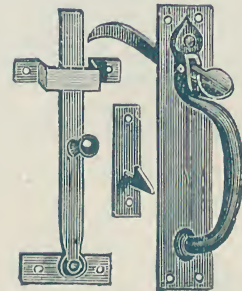
**Japanned Canadian Latches.**  
Size of Plate  $8\frac{1}{2} \times 1\frac{1}{4}$  in.

**No. 1806.** Malleable. Price **6/6** per doz.  
" **1807.** Brass. " **14/-** "

**No. 1808.**

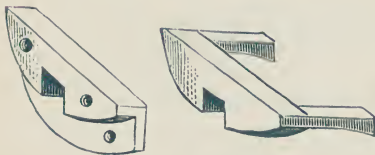
**Japanned Norfolk Latches.**

Sizes	1	2	3	4	5
<b>No. 1808.</b>					
Light	3/3	4/-	5/-	5/6	— doz.
" <b>1809.</b>					
Medium	4/-	5/-	6/-	7/-	8/- "
" <b>1810.</b>					
Strong	6/-	7/3	8/-	10/6	12/- "

**No. 1811.**

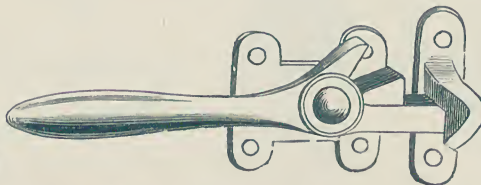
**Japanned Wrought Suffolk Latches.**

Sizes	1	2	3	4	5
<b>No. 1811.</b>					
Light	4/-	4/6	6/-	6/6	— doz.
" <b>1812.</b>					
Medium	5/6	6/9	8/-	9/6	— "
" <b>1813.</b>					
Strong	—	9/-	10/6	12/-	14/- "

**No. 1814.****No. 1815.**

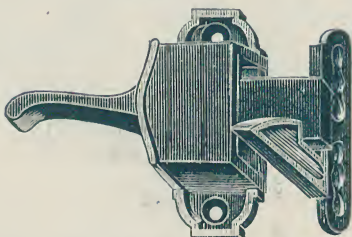
**Berlin Black Davenport's Gate Latches.**

Sizes	7	10 in.
<b>No. 1814.</b> For ordinary hanging gates ...	1/9	2/6 per set.
" <b>1815.</b> " gates swinging both ways for wood posts ...	—	3/- "
" <b>1816.</b> " " for building into stone ...	—	3/- "

**No. 1816.****No. 1817.**

**Bar Hasp and Staple.**

Inside.  
 $3 \times 2\frac{1}{4}$  **1/10** each.  
 $4 \times 2\frac{1}{2}$  **2/3** "

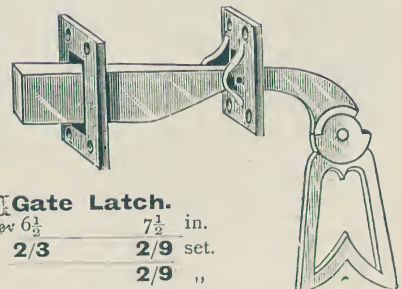
**No. 1818.**

**Japanned Surface Gate Latch.**  
Price **3/3** per doz.

**No. 1819. No. 1820.**

**Malleable Gate Latch.**

Sizes	6 $\frac{1}{2}$	7 $\frac{1}{2}$ in.
<b>No. 1819.</b>	2/3	2/9 set.
" <b>1820.</b>	—	2/9 "

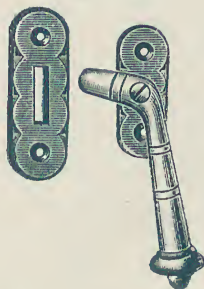


**Awards for Excellence of Machines and Tools:**



## CASEMENT FASTENERS, SASH EYES, Etc.

No. 1821.



**No. 1821.** Relieved, Varnished,  
Price 4/6 doz.

**No. 1822.** If with Mortise Plates,  
Price 4/6 doz.

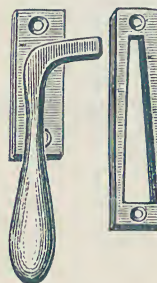
No. 1823.



**No. 1823.** Japanned,  
Price 3/6 doz.

**No. 1824.** If with Hook Plate,  
Price 3/9 doz.

No. 1825.



**No. 1825.** Malleable, Berlin  
Black, Price 6/6 doz.

**No. 1826.** If with Hook Plate,  
Price 6/9 doz.

No. 1827.



**No. 1827.** Malleable, Berlin  
Black, Price 8/3 doz.

**No. 1828.** If with Hook Plate  
Price 8/6 doz.

No. 1829.



**No. 1829.** Reversible, Berlin  
Black, Price 9/6 doz.

**No. 1830.** If with Mortise Plates,  
Price 9/3 doz.

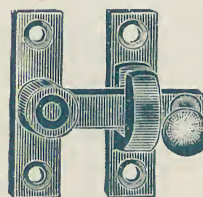
No. 1831.



**No. 1831.** Berlin Black,  
Price 9/6 doz.

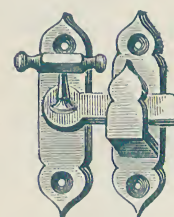
**No. 1832.** If with Hook Plate,  
Price 9/9 doz.

No. 1833.



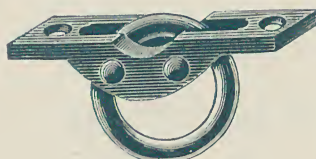
Japanned.  
Price 7/- doz.

No. 1834.



Japanned.  
Price 8/- doz.

No. 1835.



**Japanned Drop  
Shutter Rings.**

Sizes  $2\frac{1}{2}$   $2\frac{3}{4}$   $3\frac{1}{4}$  in.

Price 1/9 2/- 2/6 doz.

No. 1836.



**Spring Catch for  
Fanlight.**

Plate  $1\frac{3}{4} \times 1\frac{1}{4}$  in.

Price 1/6 each.

No. 1837.



**Malleable Sash Eye.**

Price 2/9 doz.

No. 1838.



**Malleable Sash Eye.**

Price 3/- doz.

No. 1839.



No. 1840.



**Galvanized Wire Strainers.**

Measurements, Amount of Contraction.

Sizes  $1\frac{1}{2}$  2 3  $3\frac{1}{2}$  4 5 6  $7\frac{1}{2}$  9 in.

**No. 1839.** -/9 1/-  $1\frac{1}{3}$   $1\frac{1}{6}$   $1\frac{1}{9}$   $2\frac{1}{3}$  3/-  $4\frac{1}{3}$  6/- each.

**No. 1840.** Same Price.

No. 1841.



**Malleable  
Swing Hook.**

**No. 1841.** Wood Screw,  
Price 7/- doz.

**No. 1842.** With Nuts,  
Price 8/- doz.

No. 1843.



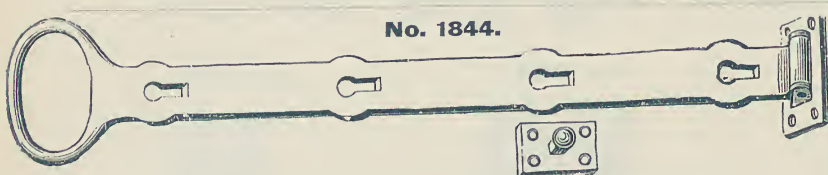
**Japanned Flush  
Sash Lifts.**

Sizes  $3 \times 1\frac{1}{8}$   $4\frac{1}{2} \times 2$  in.

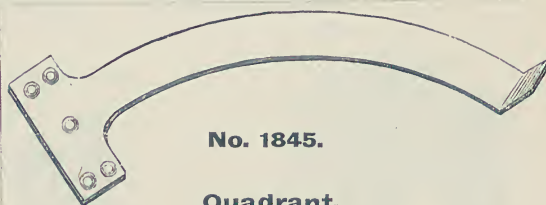
Price 4/- 8/- doz.

Bronze Medal, 1884.—Gold Medal, 1890.

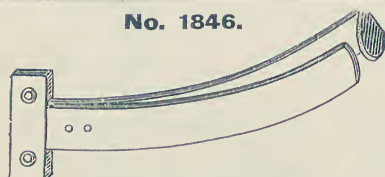


**SKYLIGHT QUADRANTS. STOPS, HASPS, AND STAPLES, Etc.****Japanned (Curved) Skylight Stay.**

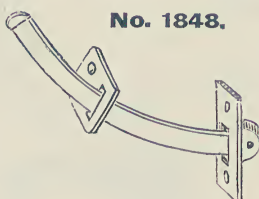
Sizes	...	18	21	in.
Price	...	2/3	2/6	each.

**No. 1845.****Quadrant.**

Sizes	...	7	10	12	in.
Price	...	5/6	7/6	9/-	doz.

**No. 1846.****Spring Quadrant**

Japanned, 8 in. ... 14/- doz.

**No. 1848.****No.****1849.****Japanned Quadrant Stays.**

Sizes	6	8	9	10	12	in.
Price	6/-	6/6	7/-	7/6	10/-	doz.

**No. 1850.****Fanlight Stop.**

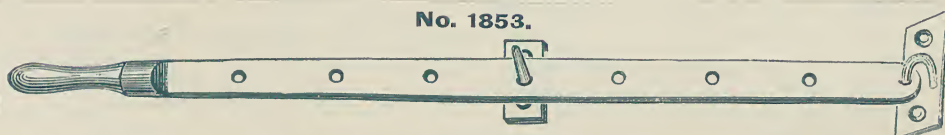
Sizes	4	8	10	12	14	in.
Price	5/-	6/-	7/6	9/-	9/6	doz.

**No.****1847.**

Japanned Quadrant (with Brass Screw). Size, 5 in. Price 6/- doz.

**No. 1851.****Fanlight Stay.**

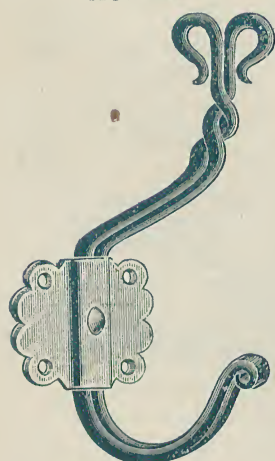
Berlin Black, 4½ in., 11/- 7½ in., 14/- doz.

**No. 1852.****Flush Shutter Lift.**Frame, 5 in. Lift, 2½ × 1½ in., 7/- doz.  
" 6 " " 3 × 2 " 9/- "**No. 1853.****Japanned Skylight Stay.**

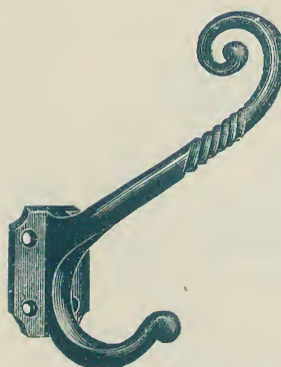
Sizes	...	10	12	15	18	21	24	27	30	36	in.
Price	...	10/6	12/-	15/-	17/-	19/-	21/-	24/-	28/-	36/-	doz.

**BERLIN BLACK HAT AND COAT HOOKS.**

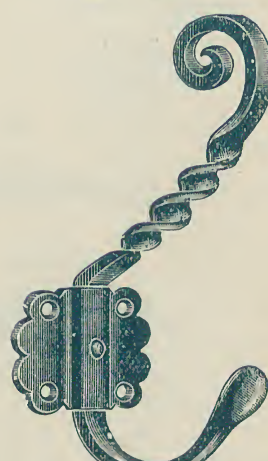
With Screws complete.

**No. 1854.**Copper Back Plate.  
15/6 per doz.**No. 1855.**

7/6 per doz.

**No. 1856.**

8/- per doz.

**No. 1857.**

12/- per doz.

Awards for Excellence of Machines and Tools:



# CAST AND MALLEABLE HAT AND COAT HOOKS.

No. 1858.



Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2  $2\frac{1}{4}$   $2\frac{1}{2}$  in.

No. 1858. { Cast, }  
              { Japanned } -/8 -/10 1/- 1/3 1/6 doz.  
No. 1859. { Japanned, }  
              { Malleable } 1/- 1/4 1/8 2/- 2/3 "

No. 1860.



Size ...  $2\frac{1}{2}$  in.

No. 1860. { Cast, }  
              { Japanned } 1/3 per doz.  
No. 1861. { Japanned, }  
              { Malleable } 2/6 "

No. 1862.



Bronzed Iron.

Per 1/3 doz.

No. 1863.



**Safety Hat Hook.**

Size, 3 in.

Japanned, 3/- per doz.

No. 1864.



Japanned, Malleable.

Sizes ... 3 4  $4\frac{1}{2}$  in.

Prices ... 2/- 2/3 2/9 doz.

No. 1865.



Malleable.

Sizes ...  $3\frac{1}{2}$  4  $4\frac{1}{2}$  5 6 in.

Prices, Japanned 2/6 2/9 3/- 3/6 4/- doz.

No. 1866.



Malleable, Japanned.

$4\frac{1}{2} \times 2\frac{1}{2}$  in. 2/9 per doz.

$5\frac{1}{2} \times 3$  " 3/9 "

$6\frac{1}{2} \times 3\frac{1}{2}$  " 4/6 "

No. 1867.



Malleable, Japanned.

$6 \times 3$  in. 4/- per doz.

$7 \times 4$  " 4/9 "

No. 1868.

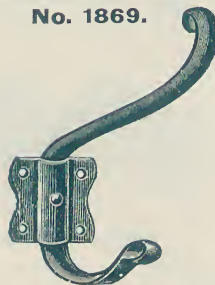


Japanned, Malleable.

Size  $7 \times 4$  in.

Price 5/6 per doz.

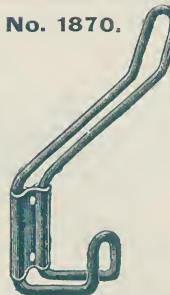
No. 1869.



Wrought Iron.

Japanned, 1/2 per doz.

No. 1870.



**Wire School Board Hat and Coat Hook.**

Japanned, 1/3 per doz.

No. 1871.



Size,  $5 \times 2$  in.

Japanned, Malleable.

Price 4/- per doz.

No. 1872.

Drawn  
Half Size.



Fancy, Bronzed Iron.  
Per 2/9 doz.

No. 1873.

Drawn  
Half Size.



Fancy Bronzed Iron.  
Per 3/- doz.

No. 1874.

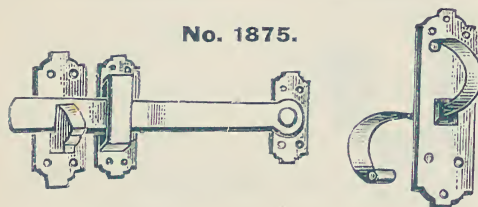
Drawn Half Size.



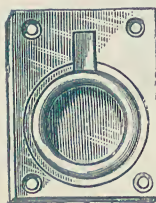
Per 2/6 doz.  
Fancy Bronzed Iron.

Bronze Medal, 1884.—Gold Medal, 1890.

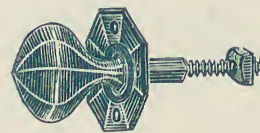


**DOOR LATCHES, DOOR CHAINS, DOOR KNOBS, Etc.****No. 1875.****S. Malleable Stable Latch.**

Sizes	6	7	9	11	12	in.
Price	1/8	2/3	2/9	3/-	4/-	each.

**No. 1876.**

Sizes	3 3/4	3 5/8	4 1/4	in.
Price	3/-	3/6	5/-	doz.

**No. 1877.**

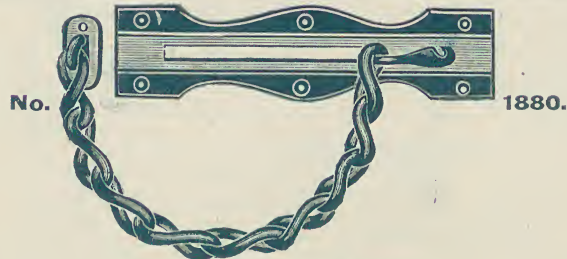
Sizes	2 1/2	2 3/4	3	in.
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**No. 1877.** Japanned 9/- 10/- 11/- doz.

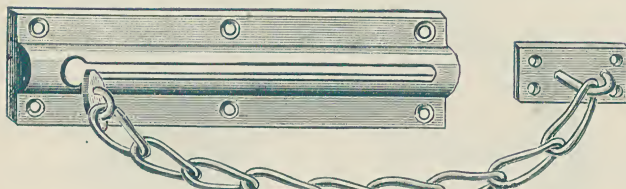
.. **1878.** Malleable 2/- 2/3 2/6 each.

**No. 1879.****Bronzed Iron Door Chain.**

Sizes	4	6	8	in.
Prices	...	7/6	8/6	9/6 doz.

**Japanned Door Chain.**

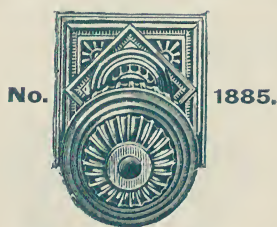
Sizes	5	6	7	8	9	in.
<b>No. 1880.</b> Japanned...	5/-	6/-	8/-	10/-	11/-	doz.
.. <b>1881.</b> Do., Brass faced	8/6	9/6	11/6	13/6	15/-	..

**No. 1882.****Strong Japanned Door Chain.**

Sizes	6	8	9	10	12	in.
Price	...	-11	1/2	1/5	1/8	2/6 each.

**No. 1883.****B.B. Octagon Gate Furniture.**

Sizes	2	2 1/4	in.
<b>No. 1883.</b> Japanned	...	1/6	1/9 per set.
.. <b>1884.</b> Malleable	.	3/6	5/6 ..

**No. 1885.****Bronzed Centre Door Knob.**

Price 1/- each.

**No. 1886.****Bronzed Centre Door Knob.**

Price 1/2 each.

**No. 1887.****Bronzed Centre Door Knob.**

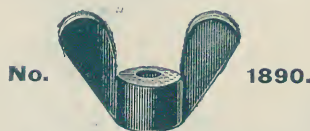
Price 1/4 each.

**No. 1888.****Japanned Shutter Screws.****No. 1888.**

Sizes	2	2 1/2	3	3 1/2	4	5	in.
Japanned	3/9	4/-	4/3	4/9	5/6	6/6	doz.

**No. 1889.**

Sizes	2	2 1/2	3	3 1/2	4	5	in.
Malleable	4/3	4/9	5/3	5/9	6/6	8/-	doz.

**No. 1890.****Malleable Fly Nuts.****No. 1890.**

Sizes	1/4	3/8	1/2	5/8	3/4	in.
Plain	-9	1/3	2/-	2/9	4/-	doz.

**No. 1891.**

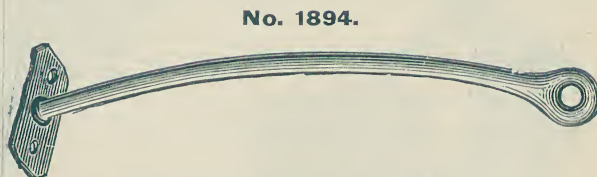
Sizes	1/4	3/8	1/2	5/8	3/4	in.
Tapped	1/6	1/9	2/6	3/3	4/9	doz.

**No. 1892.****Japanned Spring Hook.****No. 1892.**

Sizes	1 1/2	2	2 1/2	3	3 1/2	in.
Japanned	2/6	2/6	3/6	3/9	5/-	doz.

**No. 1893.**

Sizes	1 1/2	2	2 1/2	3	3 1/2	in.
Galvanized	4/6	4/6	6/-	7/-	9/-	doz.

**No. 1894.****Malleable Skylight Stay.**

Sizes	6	8	9	10	12	15	18	in.
Price	5/-	6/-	6/6	7/-	8/6	10/-	12/-	doz

**Awards for Excellence of Machines and Tools:**



## IRON DRAWER PULLS, SASH HANDLES, Etc.

No. 1895.



Japanned 1/- per doz.  
Brassed Iron 2/- "

No. 1896.



Japanned 1/1 per doz.

No. 1897.



Japanned 1/- per doz.

No. 1898.



Bronzed 1/2 per doz.

No. 1899.



Bronzed 1/3 per doz.

No. 1900.



Bronzed 1/1 per doz.

No. 1901.



Bronzed 1/2 per doz.

No. 1902.



With Card-holder.  
Bronzed 1/3 per doz.

No. 1903.



Sash Handle.

Width inside handle 3 4 in.

No. 1903. Japanned 1/3 per doz.  
" 1904. Malleable 3/9 6/9 "

No. 1905.



Door Handle.

Width inside handle 3 3 1/4 3 1/2 3 3/4 in.

Japanned ... 2/- 2/3 2/6 3/- per doz.

No. 1906.



Door or Strap Handle.

Width inside handle 3 1/4 3 1/2 in.

Japanned ... 1/9 2/3 per doz.

No. 1907.



Door Handle.

Bronzed 4 1/2 in. 1/6 per doz.

No. 1908.



Door Handle.

Width inside handle 4 5 in.

Japanned ... 2/- 3/6 per doz.

No. 1909.

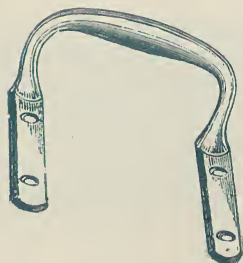


Lifting Handle.

Sizes 2 1/2 2 3/4 3 3 1/2 in.

Japanned 3/6 3/9 4/3 5/-  
per doz. pairs.

No. 1910.



Sieve or Tub Handles.

With inside handle 3 3 1/2 in.

No. 1910. Japanned ... 4/9 6/- per doz.

" 1911. " ... 5/6 7/- "

No. 1914.



Japanned Cleat Hooks.

Sizes 3 4 5 6 7 8 in.

Price 2/3 2/6 3/3 3/6 4/- 4/6 doz.

No. 1915.



Malleable Shade or Bird-cage Hook.

Sizes ... 6 8 10 12 in.

Berlin Black, Malleable -/9 -/10 1/1 1/2 each.

No. 1913.



Sizes 4 5 6 8 in.  
Price 1/9 2/- 2/3 2/9 per doz.

Sizes 4 5 6 7 8 10 in.  
Japanned 3/- 4/- 5/- 7/- 8/- 11/6 doz.

Bronze Medal, 1884.—Gold Medal, 1890.



**IRON SASH LIFTS, STUBBS & PLATES, LONG ARM HOOKS, Etc.****No. 1916.****Sash Lifts** (Malleable).

Sizes	2	2 $\frac{1}{4}$	2 $\frac{3}{4}$ in.
Price	2/3	2/6	3/6 doz.

**No.****1917.****Bronzed Iron.**

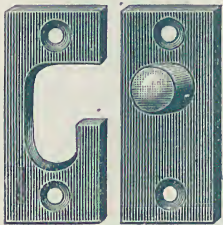
Sizes	1 $\frac{1}{4}$	2	2 $\frac{1}{2}$ in.
Price	1/6	2/-	2/3 doz.

**No. 1918.**

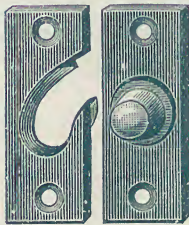
Size of Plate.	Prices.
2 $\frac{1}{2}$ x $\frac{1}{8}$ ...	1/-
2 $\frac{3}{4}$ x 1 ...	1/3
3 x 1 $\frac{1}{8}$ ...	1/6
per doz.	

**No. 1919.**

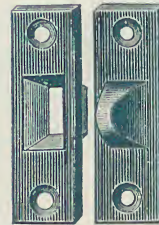
Size of Plate.	Prices per doz.
2 $\frac{1}{4}$ x 1 $\frac{1}{4}$ ...	1/6
2 $\frac{3}{4}$ x 1 $\frac{3}{8}$ ...	2/-
3 x 1 $\frac{1}{2}$ ...	2/3

**No. 1920.****Sash Centre.**

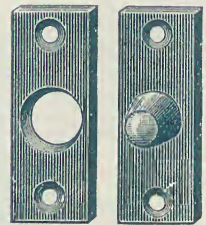
Sizes	2 $\frac{1}{2}$ x $\frac{3}{4}$	2 $\frac{3}{4}$ x $\frac{7}{8}$	3 x 1 $\frac{5}{8}$ in.
Price	1/	2/-	2/3 doz.

**No. 1921.****Sash Pivot.**

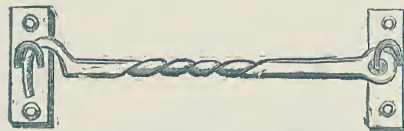
Sizes	2 x $\frac{1}{4}$	2 $\frac{1}{4}$ x $\frac{1}{4}$	2 $\frac{1}{2}$ x 1 in.
Price	2/-	2/3	2/6 doz.

**No. 1922.****Square Pin.****Stubbs and Plates.**

Length of Plate	2 x $\frac{3}{4}$	2 $\frac{1}{4}$ x $\frac{1}{4}$	2 $\frac{3}{4}$ x 1 in.
Price	1/6	1/9	2/- doz.

**No. 1923.****Round Pin.****No. 1924.****No. 1924. Malleable Cabin Hook.**

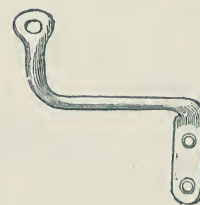
2	2 $\frac{1}{2}$	3	4	5	6	7	8	10	12 in.
3/3	3/6	4/-	4/9	5/3	6/-	7/-	7/6	9/-	10/- doz.

**No. 1926.****Strong Malleable Cabin Hook.**

Sizes	6	8	10	12 in.
Japaned	6/-	7/-	8/-	9/- doz.

**No. 1927.****Japanned Hand Cord Bracket.**

For 1 in.	6/- doz.
" 1 $\frac{1}{4}$ in.	7/6 "

**No. 1931.****No. 1932.****Malleable Swannecks.**

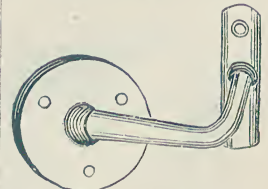
Length	4	5	6	7 in.
Projection	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3 in.

**No. 1931.**

Japaned	2/6	2/9	3/3	4/- doz.
Projection	2	3	4 in.	

**No. 1932.**

Japaned	3/-	3/6	4/- doz.
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**No. 1933.****Malleable Handrail Bracket.**

Projection.	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4	5 in.
	7/-	8/-	9/-	10/-	12/- per doz.

**No. 1934.****Japanned Ladder Hook.**

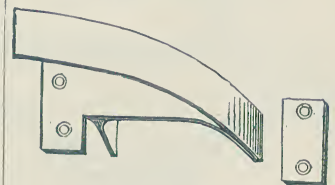
For fixing on front or side.  
7/- per doz.

**No.****1935.****Long Arm Hook.**

Sizes	$\frac{1}{4}$	1	1 $\frac{1}{4}$ in.
Japaned	4/-	4/6	6/- doz.

**No.****1936.****Long Arm Hook.**

Sizes	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$ in.
Japaned	5/-	7/-	9/- doz.

**No. 1937.****Door Slam.**

Sizes	5	6 $\frac{1}{2}$ in.
Japaned	7/-	8/- doz.



# IRON SCREW, UPRIGHT & SIDE PULLEYS, SASH ROLLERS, Etc.

No. 1938.



**Screw Pulley.**

Sizes 1 1 $\frac{1}{4}$  1 $\frac{1}{2}$  1 $\frac{3}{4}$  2 2 $\frac{1}{4}$  2 $\frac{1}{2}$  in.

1938. Iron 2/- 2/6 2/9 3/3 3/9 4/6 5/6 doz.

1939. Brass 6/- 7/6 9/6 12/- 18/- — — —

No. 1940.



**Double Screw Pulley.**

Sizes 1 1 $\frac{1}{4}$  1 $\frac{1}{2}$  1 $\frac{3}{4}$  2 2 $\frac{1}{4}$

1940. Iron 4/- 4/6 5/- 6/- 7/- 8/- doz.

1941. Brass 9/- 11/6 15/- 24/- 32/- — — —

No. 1942.



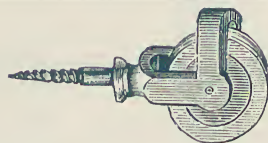
**Strapped Screw Pulley.**

Sizes 1 1 $\frac{1}{4}$  1 $\frac{1}{2}$  1 $\frac{3}{4}$  2 2 $\frac{1}{4}$  in.

1942. Iron 2/3 2/9 3/6 4/- 4/6 5/6 doz.

1943. Brass 7/- 9/- 11/6 16/- 22/- — — —

No. 1944.



**Side Guard Pulley.**

Sizes 1 1 $\frac{1}{4}$  1 $\frac{1}{2}$  1 $\frac{3}{4}$  2 2 $\frac{1}{4}$  in.

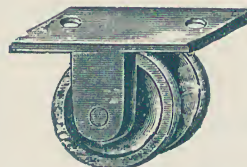
1944. Iron, Single 2/3 2/9 3/6 4/- 4/6 5/6 doz.

1945. „ Double 4/6 5/6 6/6 7/6 9/- 11/- „

1946. Brass, Single 7/- 9/- 11/6 16/- 22/- — — —

1947. „ Double 11/6 14/- 18/6 26/- — — —

No. 1948.

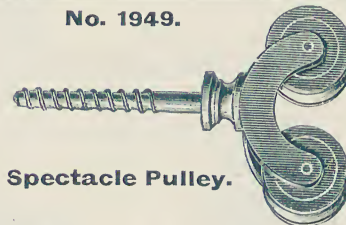


**Brass Sash Pulley.**

Sizes  $\frac{3}{4}$  1 1 $\frac{1}{4}$  1 $\frac{1}{2}$  in.

Price -/6 -/8 1/- 1/3 each.

No. 1949.



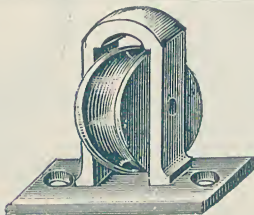
**Spectacle Pulley.**

Sizes ... 1 1 $\frac{1}{4}$  1 $\frac{1}{2}$  1 $\frac{3}{4}$  2 2 $\frac{1}{4}$  in.

1949. Iron ... -/10 1/- 1/3 1/6 1/9 2/- ea.

1950. Brass Bowls 1/6 1/9 2/- 2/3 2/9 3/6 „

No. 1951.



**Upright Pulley.**

Sizes 1 1 $\frac{1}{4}$  1 $\frac{1}{2}$  1 $\frac{3}{4}$  2 2 $\frac{1}{4}$  in.

No. 1951. Iron ... 1/6 1/9 2/- 2/6 3/- 4/6 doz.

No. 1952. Malleable Iron, Brass Wheels ... 8/- 9/- 11/- 15/- 16/- 27/- „

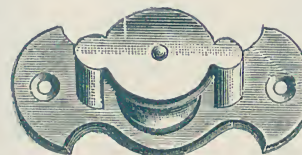
No. 1953. All Brass ... 10/- 13/- — — — — —

No. 1954. Double Iron ... 3/- 3/6 4/- 5/- 6/- 8/- „

No. 1955. Malleable Iron, Brass Wheels ... 14/- 17/- 23/- 27/- 32/- 51/- „

No. 1956. All Brass ... 15/- 20/- — — — — —

Side Pulley.



No. 1957.

Sizes 1 1 $\frac{1}{4}$  1 $\frac{1}{2}$  1 $\frac{3}{4}$  2 2 $\frac{1}{4}$  2 $\frac{1}{2}$  in.

No. 1957. Iron ... 1/6 1/9 2/- 2/6- 3/- 3/9 4/6 doz.

No. 1958. Malleable Iron, Brass Wheels ... 8/- 9/6 13/- 14/- 18/- 24/- 28/- „

No. 1959. All Brass ... 11/- 16/- 28/- — — — — —

No. 1960. Double Iron ... 3/- 3/6 4/- 5/- 6/- — — —

No. 1961. Iron, Brass Wheels ... 12/- 17/- 23/- 28/- 33/- 43/- 51/- „

No. 1962. All Brass ... 14/- 18/- — — — — —

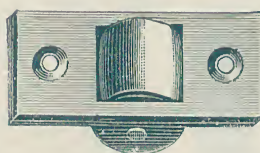
No. 1963.



**Brass Frame Rollers.**

Sizes 1 $\frac{1}{8}$  1 $\frac{3}{8}$  1 $\frac{5}{8}$  in.

Price 1/3 1/6 1/9 each.



No. 1964.

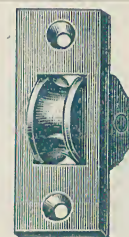
**Sash Rollers.**

Sizes ...  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$   $\frac{7}{8}$  1 in.

No. 1964. Iron ... -/10 1/- 1/2 1/6 1/9 doz.

No. 1965. Iron, Brass Wheels 1/3 1/6 2/- 2/3 2/9 „

No. 1966. All Brass ... 3/- 4/- 4/6 6/6 7/- „



No. 1967.

**Brass Grooved Sash Rollers.**

Sizes  $\frac{3}{4}$   $\frac{7}{8}$  1 $\frac{1}{8}$  in.

Price 7/- 8/- 16/- doz.

No. 1968.



**Venetian Pulley.**

Brass,

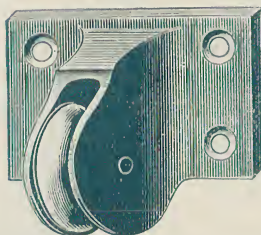
Single ... 3/- doz.

Double ... 4/- „

Triple ... 7/- „

4-Wheel 9/- „

No. 1969.



**Hot House Pulleys.**

Japanned, with Brass Wheels.

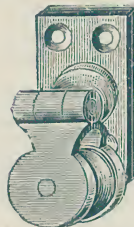
Sizes 1 $\frac{3}{8}$  2 2 $\frac{1}{4}$  2 $\frac{1}{2}$  in.

No. 1969. Single — 11/- 18/- 26/- per doz.

No. 1970. Double — 15/- 22/- 30/- „

No. 1971. Treble — 18/- 28/- 39/- „

No. 1972.



**Lazy Pulley.**  
No. 1972.

Iron, with Brass Wheels.

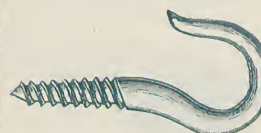
Sizes ...  $\frac{1}{2}$  1 1 $\frac{1}{4}$  in.

Price 9/- 10/- 15/- doz.

No. 1972a.

Brass 1/- 1/3 1/6 each.

No. 1973.



**Cot Hook.**

Japanned, Malleable.

Length 4 4 $\frac{3}{4}$  in.

4/- 4/6 per doz.

No.



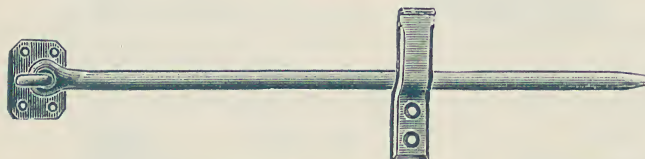
1974.

**Galvanized Clothes Line Pulley.**

Length 2 $\frac{1}{4}$  2 $\frac{1}{2}$  3 in.

Price 6/- 7/6 9/- doz.



**TABLE LEGS, MENDING PLATES, TRESTLE JOINTS, Etc.****No. 1980.****Ironing-board Legs.**32 in.  $\frac{3}{6}$  per set.

Two legs and one catch to a set.

**No. 1981.****Coach-house Door Stops.**

Sizes	...	...	...	12	14	in.
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Price	...	...	...	18/-	21/-	per doz.
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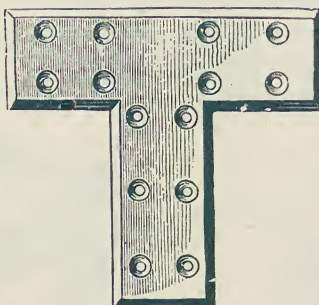
**No. 1982.****Malleable Connecting Plates.**

Sizes	$3 \times \frac{5}{8}$	$3\frac{1}{2} \times \frac{5}{8}$	$4 \times \frac{5}{8}$	$5 \times \frac{5}{8}$	$6 \times \frac{5}{8}$	in.
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Price	1/-	1/2	1/3	1/6	2/-	doz.
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Sizes	$3\frac{1}{2} \times 1$	$4 \times 1\frac{1}{8}$	$5 \times 1\frac{1}{4}$	$6 \times 1\frac{3}{8}$	in.
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Price	1/6	1/9	2/3	3/6	doz.
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**No. 1983.****Malleable Sash Tees.**

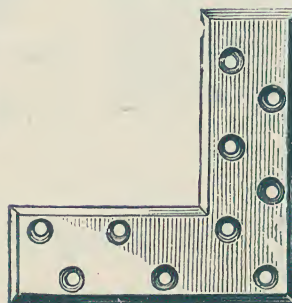
Sizes	3	$3\frac{1}{2}$	4	5	6	in.
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Width	$\frac{5}{8}$ in.					
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	-9	1/1	1/4	—	—	doz.
--	----	-----	-----	---	---	------

"	$\frac{5}{8}$ in.					
---	-------------------	--	--	--	--	--

	1/4	1/8	1/10	2/6	3/3	"
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**No. 1984.****Malleable Sash Angles.**

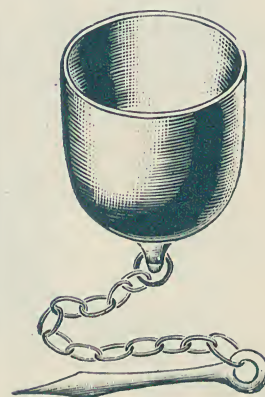
Sizes	3	$3\frac{1}{2}$	4	5	6	in.
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Width	$\frac{5}{8}$ in.					
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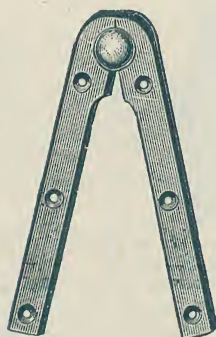
	-9	1/1	1/4	—	—	doz.
--	----	-----	-----	---	---	------

"	$\frac{5}{8}$ in.					
---	-------------------	--	--	--	--	--

	1/3	1/7	1/10	2/6	3/3	"
--	-----	-----	------	-----	-----	---

**No. 1985.****Malleable Drinking Cups for Fountains.**

Galvanized 3/- each.

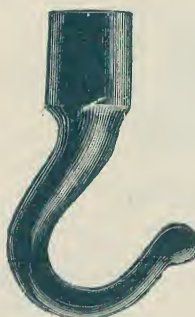
**No. 1986.****Trestle Joints.**

Size	6	8	10	12	14	16	in.
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No. 1986. Malleable	1/4	2/-	2/6	4/-	5/3	—
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" 1987. Wrought	3/6	4/-	4/6	5/-	6/-	8/-
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per pair.

**No. 1988.****Malleable Lamp Hook.**

Size	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	in.
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Male	3/6	4/-	5/-	doz.
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Female	3/-	3/3	4/-	"
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Japanned.

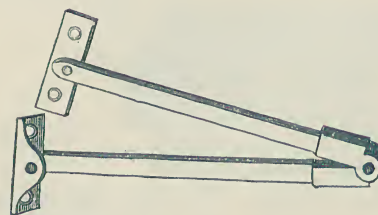
**No. 1992.****Malleable Shutter Fastener.**

No. 1992. Handed.

" 1993. Reversible.

Sizes	...	...	6	7	8	in.
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Japanned	...	5/6	6/-	7/-	per doz.
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**No. 1989.****Malleable Rule Jointed Stays.**

Sizes	10	12	14	16	18	20	24	in.
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Price	7/6	8/-	9/-	9/6	10/-	12/-	13/-	doz.
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With two Side Plates, same price.

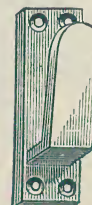
**No.****1990.****Japanned Wire Hasps and Staples.**

Sizes	$2\frac{1}{2}$	$2\frac{3}{4}$	3	in.
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No. 1990. Price	1/6	2/-	2/3	per doz.
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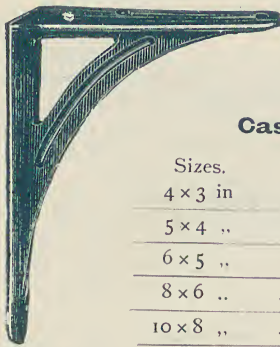
STRONG. Sizes	$3 \times 2$	$3\frac{1}{2} \times 2\frac{1}{2}$	$4 \times 3$	in.
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No. 1991. Price	3/-	3/6	4/-	per doz.
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**No.****1994.****Malleable Shutter Bar Hook. 7/- doz.****Awards for Excellence of Machines and Tools:**



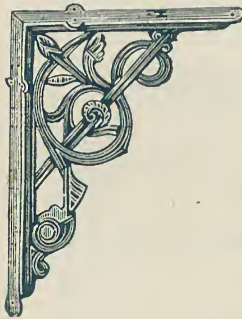
## IRON SHELF BRACKETS.



No. 2013.

### Cast Shelf Bracket.

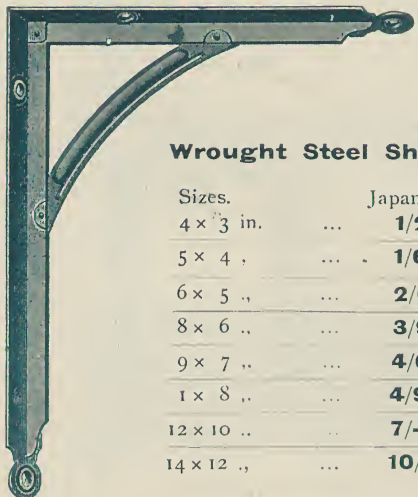
Sizes.	Japanned.
4 x 3 in. ... ..	1/3 doz.
5 x 4 .. ... ..	1/6 ..
6 x 5 .. ... ..	2/2 ..
8 x 6 .. ... ..	3/3 ..
10 x 8 .. ... ..	4/9 ..
12 x 10 .. ... ..	7/- ..
14 x 12 .. ... ..	12/9 ..
16 x 14 .. ... ..	18/- ..



No. 2015.

### Fancy Cast Shelf Bracket.

Sizes.	Coloured Varnish.
4 x 3 in. ... ..	2/- doz.
5 x 4 .. ... ..	2/6 ..
6 x 5 .. ... ..	3/- ..
8 x 6 .. ... ..	4/- ..
10 x 8 .. ... ..	6/6 ..
12 x 10 .. ... ..	10/- ..
14 x 12 .. ... ..	18/- ..



No. 2017.

### Wrought Steel Shelf Brackets.

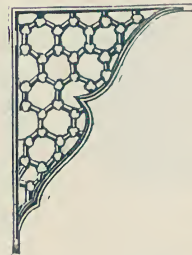
Sizes.	Japanned.	Brass Plated.
4 x 3 in. ... ..	1/2 ...	4/- doz.
5 x 4 .. ... ..	1/6 ...	4/6 ..
6 x 5 .. ... ..	2/6 ...	5/6 ..
8 x 6 .. ... ..	3/9 ...	9/6 ..
9 x 7 .. ... ..	4/6 ...	10/6 ..
1 x 8 .. ... ..	4/9 ...	11/- ..
12 x 10 .. ... ..	7/- ...	14/- ..
14 x 12 .. ... ..	10/- ...	16/- ..

This Bracket is very strong, has a neat appearance, and will not break, being made of Wrought Steel. It is more reliable than the Cast Bracket.

No. 2014.

### Fine Cast Shelf Bracket.

Sizes.	
6 x 4 in. ... ..	3/- doz.
8 x 6 .. ... ..	4/- ..
10 x 8 .. ... ..	5/- ..
12 x 10 .. ... ..	8/6 ..
14 x 12 .. ... ..	10/6 ..
16 x 14 .. ... ..	14/- ..



No. 2016.

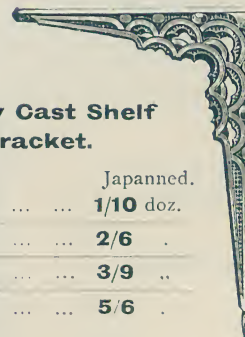
### Fancy Cast Shelf Bracket.

Sizes.	Coloured Varnish.
4 x 3 in. ... ..	1/9 doz.
5 x 4 .. ... ..	2/9 ..
7 x 5 .. ... ..	3/6 ..
8 x 6 .. ... ..	4/- ..
9 x 7 .. ... ..	5/9 ..
10 x 8 .. ... ..	7/9 ..
12 x 9 .. ... ..	13/6 ..

No. 2018.

### Fancy Cast Shelf Bracket.

Sizes.	Japanned.
5 x 4 in. ... ..	1/10 doz.
6 x 5 .. ... ..	2/6 ..
8 x 6 .. ... ..	3/9 ..
10 x 8 .. ... ..	5/6 ..



No. 2019.

### Partition Brackets.

Sizes and Prices.

1 x 24	13 x 0	14 x 36	14 x 42	14 x 48 in.
2/8	3/3	4/-	4/8	5/- each.

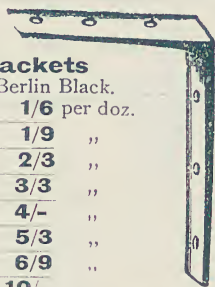




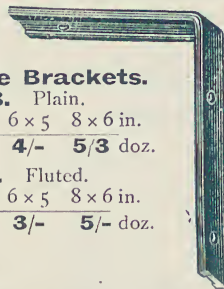
## SHELF BRACKETS, LINE HOOKS, MEAT HOOKS, Etc.

**No. 2022.**  
**Malleable Shelf Brackets**

Sizes.	Berlin Black.
2 in. ... ..	1/6 per doz.
2½ in. ... ..	1/9 "
3 in. ... ..	2/3 "
4 in. ... ..	3/3 "
5 in. ... ..	4/- "
6 in. ... ..	5/3 "
7 in. ... ..	6/9 "
8 in. ... ..	10/- "

**No. 2024.****Tinned Angle Brackets.**

No. 2023. Plain.				
3 x 2	4 x 3	5 x 4	6 x 5	8 x 6 in.
1/6	2/3	3/-	4/-	5/3 doz.
No. 2024. Fluted.				
3 x 2	4 x 3	5 x 4	6 x 5	8 x 6 in.
1/3	1/6	2/3	3/-	5/- doz.

**No. 2025.****Wrought Shelf Bracket.**

No. 2025. With Stay.				
6 x 5	7 x 6	8 x 6	10 x 8	12 x 10 14 x 12
5/6	6/-	6/6	8/-	8/6 10/-
per dozen.				

**No. 2026. Without Stay.**

6 x 5	7 x 6	8 x 6	10 x 8	12 x 10 14 x 12
5/-	5/6	6/-	7/6	8/- 9/-
per dozen.				

**No. 2027.****Tinned Curtain Hooks.**

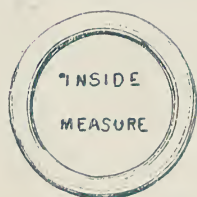
Sizes	2	2½	3	4	5 in.
Price	-/4	-/5	-/6	-/7	-/8 doz.

**No. 2028.****Tinned French Rod Hooks.**

Sizes	2½	3	3½	4 in.
Price	1/-	1/2	1/4	1/6 doz.

**No. 2029.****Bright Pointed Screw Hooks.**

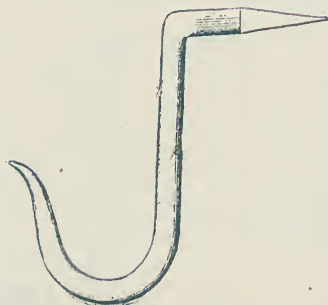
Sizes	1½	2	2½	3	3½	4 in.
Price	-/3	-/5	-/7	-/9	1/-	1/6 doz

**No. 2030.****Tinned Blind Ring.**

Sizes	¾	1	1¼	1½ in.
Price	-/3	-/3	-/5	-/8 doz.

**No. 2031.****Tinned Meat Hook.**

Sizes	3	3½	4	5	6 in.
Price	-/6	-/7	-/9	-/10	1/- doz.

**No. 2032.****Tinned Meat Hook to Drive.**

Sizes	2	2½	3	3½	4 in.
Price	-/6	-/7	-/9	-/11	1/- doz.

**No. 2033.****Tinned Meat Hook.**

Sizes	2½	3	3½	4 in.
Price	-/9	-/11	1/-	1/3 doz.

**No. 2034.****Tinned Blind Hook and Ring.**  
Per 1/3 doz.**No. 2035.****Rim and Cap Staples.**

For 6 7 8 10 in. Locks.

**No. 2035.**

Price ... 3/6 3/6 — — per doz.

**No. 2036.**

Moulded Striker 4/- 4/6 5/- 7/- " "

**No. 2037. Cap Staples for Plate Locks.**

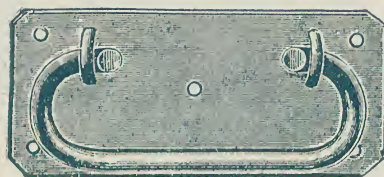
Sizes	1½	2	2½	3	3½ in.
Price	1/9	2/3	2/6	3/-	4/- per doz.

**No. 2036.****No. 2038.****Square Wrought Iron Staples.**

Sizes	1½	1¾	2	2½	3 in.
Price	-/10	-/11	1/1	1/6	1/10 per doz.

**Chest Handles.**

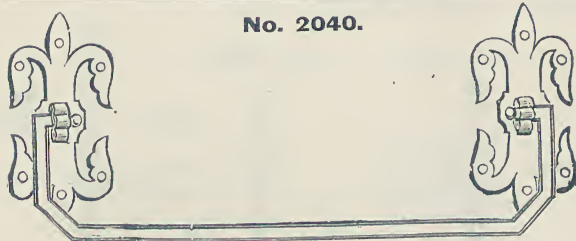
Nos.	0	1	2	3	4	5	6
Japanned	3/-	4/-	5/-	6/-	7/-	8/-	9/-
per dozen pairs.							



Awards for Excellence of Machines and Tools:



## UMBRELLA HOLDERS.



No. 2040.

Malleable Iron (Gothic).

No. 2040. Berlin Black.

Sizes	6	7	8	9	10	11	12	13	14	16	18 in.
	1/8	1/9	1/10	1/11	2/-	2/-	2/2	2/3	2/5	2/7	2/9 each.

No. 2041. Brass.

Sizes	6	7	8	9	10	11	12	13	14	16	18 in.
	3/6	3/8	3/10	4/-	4/3	4/6	4/8	4/10			each.



No. 2042.

Pans for Umbrella Holders.

			Japanned Iron.	Coloured Maroon or Galvanized.
No. 2042.	6 x 2 1/2 in. inside	...	1/2	1/6 each.
No. 2043.	8 x 2 1/2 in. inside	...	1/6	1/9 "



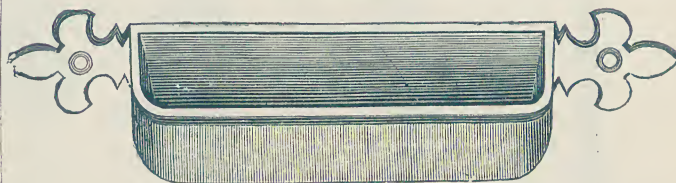
No. 2044.

No. 2044. Berlin Black.

Sizes	6	7	8	9	10	11	12	13	14	16	18 in.
	1/3	1/4	1/6	1/8	1/8	1/9	1/10	2/-	2/-	2/2	2/6 each.

No. 2045. Brass.

Sizes	6	7	8	9	10	11	12	13	14	16	18 in.
	2/6	2/9	3/-	3/1	3/5	3/7	3/9	4/-	4/3	4/9	5/6 each.



No. 2046.

Umbrella Pan.

8 x 2 1/2 in. inside.	Japanned.	Coloured Maroon or Galvanized.
Price	2/-	2/9 each.



No. 2047.

Fancy Tube Brass Umbrella Holder.

Size, 11 in. over all.

3/4 in. Tube, 8/3 each. Plain Tube same price.



No. 2048.

Umbrella Pan.

8 in., 1/- 10 in., 1/2 each.



No. 2049.

"Climax" Umbrella Holders.

	1	2	3	4	5	6	8	10	12 hole.
Total length of Holders	5 1/4	8 1/4	10	12	14 1/2	16 1/2	21	25	29 in.
No. 2049. Bronzed Iron	1/4	1/8	2/4	3/-	3/9	4/6	5/9	7/3	9/- each.
No. 2050. Brass	6/6	7/9	10/-	11/9	14/3	17/-	19/6	23/-	28/- "









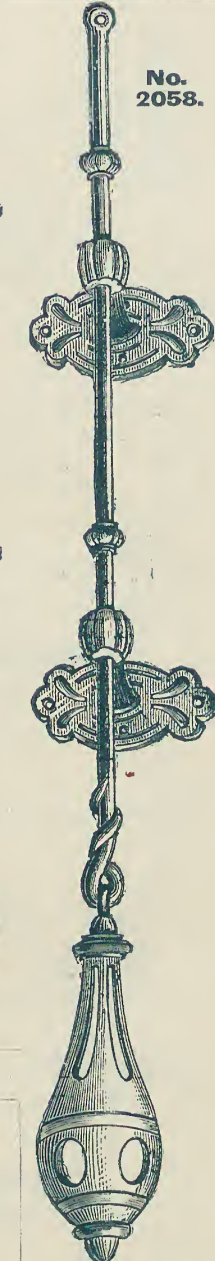
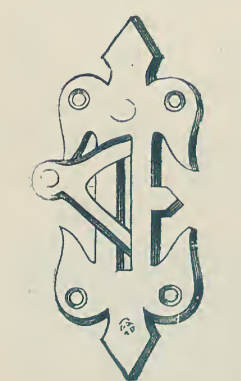
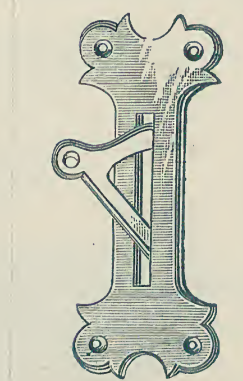
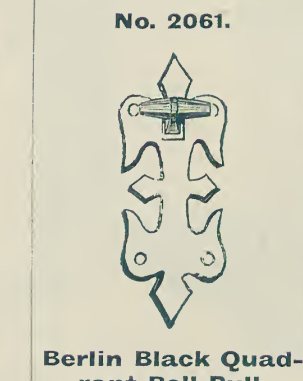

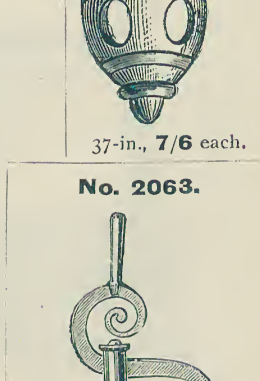
No. 2051.

Umbrella Pan.

Size	9	12	14	18 in.
Price	1/8	2/2	2/6	3/3 each.



**BERLIN BLACK GOTHIC BELL PULLS, AND BELL CRANKS.**

<p><b>No. 2052.</b></p>  <p>20-in. 3/- each.</p>	<p><b>No. 2053.</b></p>  <p>24-in. 4/6 each.</p>	<p><b>No. 2054.</b></p>  <p>26½-in. 5/6 each.</p>	<p><b>No. 2055.</b></p>  <p>24-in. 4/6 each.</p>	<p><b>No. 2056.</b></p>  <p>24-in. 5/- each.</p>	<p><b>No. 2057.</b></p>  <p>24-in. 3/9 each.</p>	<p><b>No. 2058.</b></p>  <p>37-in., 7/6 each.</p>
<p><b>No. 2059.</b></p>  <p><b>Berlin Black Bell</b> <b>Crank.</b> Plate ... 6½ × 2½ in. Price ... 14/- doz.</p>	<p><b>No. 2060.</b></p>  <p><b>Berlin Black Bell</b> <b>Crank.</b> Plate ... 5¾ × 3 in. Price ... 14/- doz.</p>	<p><b>No. 2061.</b></p>  <p><b>Berlin Black Quad-</b> <b>rant Bell Pull.</b> Plate ... 6½ × 2½ in. Price ... 17/- doz.</p>	<p><b>No. 2062.</b></p>  <p><b>Japanned Area</b> <b>Bell Pull.</b> To clip rail 2, 2¼, 2½, 2¾, 3 in. Price 20/- doz.</p>	<p><b>No. 2063.</b></p>  <p><b>Japanned Area</b> <b>Bell Pull.</b> Price ... 16/- doz.</p>		



## MANGER AND PILLAR RINGS.

No. 2064.



**Manger Ring, with Staple.**

Size of Ring  $1\frac{1}{2}$   $1\frac{3}{4}$  2 in.  
Price ...  $1/3$   $1/9$   $2/3$  doz.

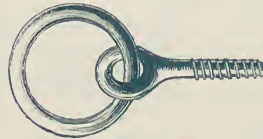
No. 2065.



**Manger Ring on Plate.**

Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2 in.  
Prices  $4/-$   $5/6$   $7/-$  doz.

No. 2066.



**Japanned Manger Ring.**

No. 2066. Black.  
Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2  $2\frac{1}{4}$   $2\frac{1}{2}$  in.  
Prices  $2/3$   $2/9$   $4/-$   $5/-$   $6/-$  doz.

No. 2067. Galvanized.  
Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2  $2\frac{1}{4}$   $2\frac{1}{2}$  in.  
Prices  $3/1$   $3/6$   $5/-$   $6/-$   $8/-$  doz.

No. 2068.

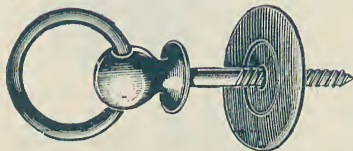


**Manger Ring for Iron Pillar.**

No. 2068. Black.  
Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2 in.  
 $3/-$   $3/9$   $5/-$  doz.

No. 2069. Galvanized.  
Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2 in.  
 $4/-$   $5/-$   $6/-$  doz.

No. 2070.



**Head Stall Ring, Loose Rose.**

Sizes  $1\frac{3}{4}$  2  $2\frac{1}{4}$  in.

No. 2070. Japanned  $9/-$   $11/-$   $14/-$  doz.  
" 2071. Galvanized  $1-1/3$   $1/6$  each.

No. 2072.

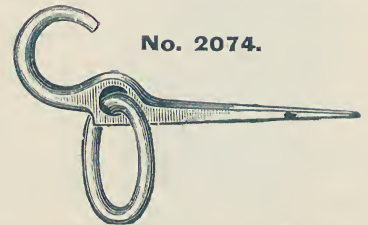


**Pillar Ring.**

Sizes  $1\frac{1}{2}$   $1\frac{3}{4}$  2 in.

No. 2072. Japanned  $3/6$   $5/6$   $7/-$  doz.  
" 2073. Galvanized  $5/-$   $7/-$   $8/6$  "

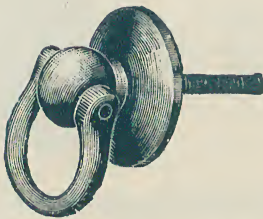
No. 2074.



**Bridle Hook and Ring.**

No. 2074. Japanned ...  $6/-$  doz.  
" 2075. Galvanized ...  $7/-$  "

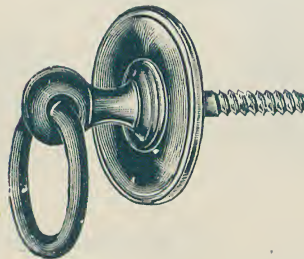
No. 2076.



**Extra Strong Drop Manger Ring and Rose.**

Black, 2 in.,  $1/6$  each.

No. 2077.

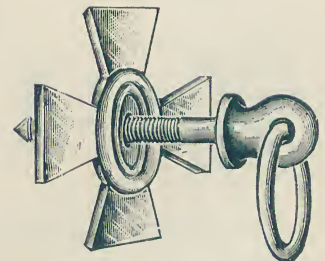


**Manger Ring and Rose.**

Size of Ring,  $2 \times \frac{3}{8}$  in.

No. 2077. Japanned  $1/9$  each.  
" 2078. Brass  $6/-$  "

No. 2079.



**Manger Ring and Rose.**

Size  $2 \times \frac{3}{8}$   $2\frac{1}{4} \times \frac{1}{16}$  in.

No. 2079. Japanned  $1/4$   $1/6$  each.  
" 2080. Galvanized  $1/6$   $1/9$  "

No. 2081.



**Manger Ring for Stone.**  
2-in. Ring.

No. 2081. Japanned  $7/6$  doz.  
" 2082. Galvanized  $8/-$  "

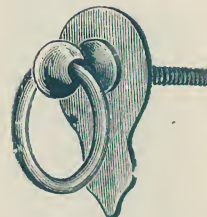
No. 2083.



**Manger Ring and Rose, for Iron Pillars.**

Brass Ring  $1\frac{1}{2} \times \frac{3}{8}$   $1\frac{3}{4} \times \frac{3}{8}$  in.  
Price ...  $2/6$   $3/-$  each.

No. 2084.

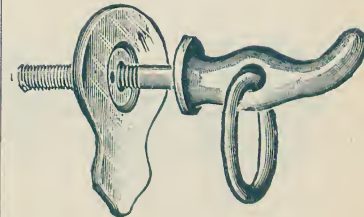


**Manger Ring and Rose.**

Ring  $2 \times \frac{3}{8}$  in.

No. 2084. Japanned  $1/-$  ea.  
" 2085. Galvanized  $1/3$  ..  
" 2086. Brass  $4/-$  "

No. 2087.



**Manger Ring and Rose.**

Ring  $2\frac{3}{8}$  in.

No. 2087. Japanned  $1/3$  ea.  
" 2088. Galvanized  $1/6$  "



# STABLE AND LOOSE-BOX LATCHES, BOLTS, Etc.

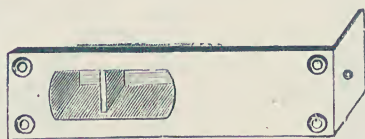
No. 2089.



**Double Flush Bolts for Loose Boxes.**

Sizes.	Black.	Brass.
$4\frac{1}{2} \times 1\frac{3}{4}$ in.	2/-	5/- each.
$6 \times 1\frac{3}{4}$ in.	2/3	6/- "

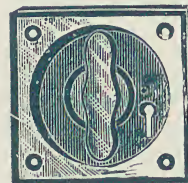
No. 2090.



**Single Flush Bolts for Loose Boxes.**

Sizes.	Black.	Brass.
$4\frac{1}{2} \times 1\frac{3}{4}$ in.	1/9	3/9 each.
$6 \times 1\frac{3}{4}$ in.	2/-	4/6 "

No. 2091.



**Flush Handle.**

Size	...	$3\frac{1}{2} \times 3\frac{1}{2}$ in.
Black	..	1/- each.
Brass	...	2/9 "

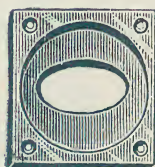
No. 2092.



**Flush Ring Stable Handle.**

Sizes.	Black.	Brass.
$3 \times 3$ in.	1/-	2/9 each.
$3\frac{1}{2} \times 3\frac{1}{2}$ in.	1/3	3/9 "
$4 \times 4$ in.	1/6	5/- "

No. 2093.



**Flush Shield.**

Suitable for No. 2108 Stable Latch.

Size	$4 \times 3\frac{1}{4}$ in.
Japanned	4/- doz.
Brass	1/- each.

No. 2094.

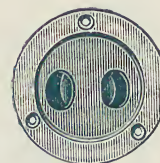


**Semi-Flush Stable Handle.**

Suitable for thin wood.

Size	4 in.
Black.	1/6
Brass.	5/6 each.

No. 2095.

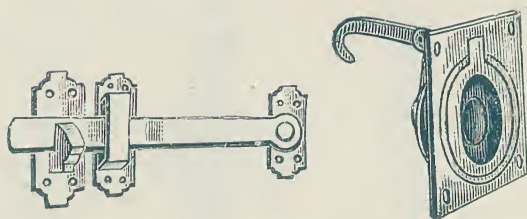


**Flush Handles.**

Size 4 in.

Black.	Brass.
1/-	2/9 each.

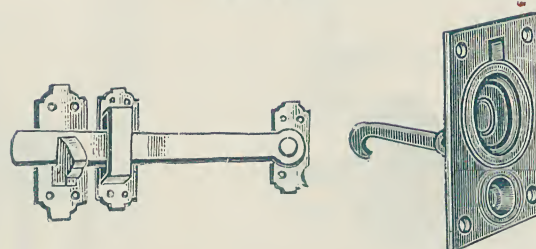
No. 2096.



**Stable-door Latch.**

Sizes.	Black.	Brass.
$3\frac{1}{2} \times 2\frac{1}{2}$	...	2/9 — each.
$4 \times 3\frac{1}{2}$	...	3/6 12/- "
Handles only	...	1/10 6/3 "
Furniture only	...	1/8 5/9 "

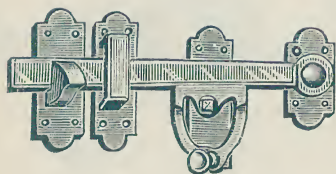
No. 2097.



**Stable Latch, complete.**

	Black.	Brass.
Complete, as drawn	4/9	15/- per set.
Handles only	3/-	9/3 "
Furniture only	1/9	5/9 "

No. 2098.

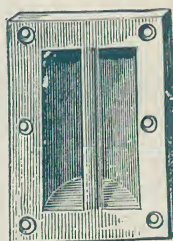


**Stable-door Latch.**

With Follower.

Size	Black.	Brass.
$10\frac{1}{2}$ in.	2/6	8/- each.

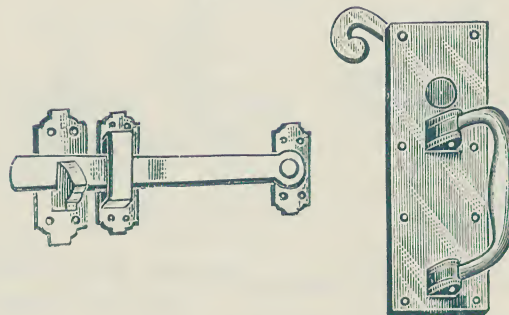
No. 2099.



**Flush Handle.**

Sizes.	Japanned.
$4\frac{1}{2} \times 3$ in.	1/9 each.
$4 \times 4\frac{3}{8}$ in.	2/- each.

No. 2100.



**Stable-door Latch.**

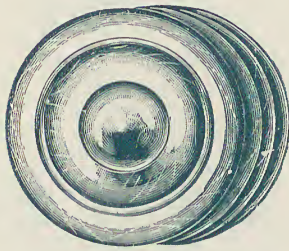
Plate  $8\frac{1}{2} \times 2\frac{3}{4}$  in. Price, complete—Black 4/- Brass 12/6 per set.

Awards for Excellence of Machines and Tools :



## WHIP HOLDERS, STABLE DOOR BOLTS, LATCHES, COW CHAINS, Etc.

No. 2101.



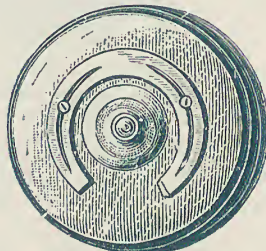
**Whip Holder.**

In Pitch Pine or Mahogany.

For 1 2 3 4 whips.

Price 1/- 1/3 1/9 2/3 each.

No. 2102.



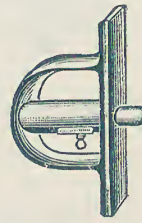
**Whip Holder.**

With Brass Horseshoe Ornament.

For 1 2 3 4 whips.

Price 2/9 3/- 3/6 4/6 each.

No. 2103.



**Flush Spring Bolt.**

Brass Shoot and Knob.

No. 2103. 7/9 each.

No. 2104. Black 4/6 "

No. 2105.



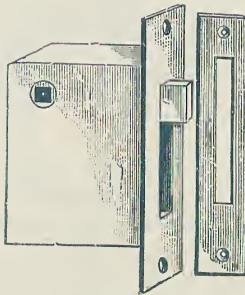
**Strong Back Guide.**

2-in. Roller.

Japanned, with Brass Roller,

per 3/- doz.

No. 2106.



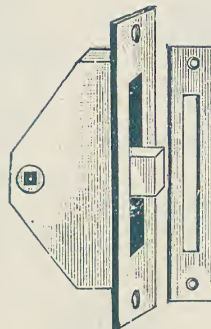
**Mortise Latch.**

With Spring.

For Stable Doors or Loose Boxes.

Sizes	Black.	With Brass Latch and Plates.
$4\frac{1}{4} \times 3\frac{1}{2} \times \frac{5}{8}$ in.	2/6	4/- each.
$5 \times 5\frac{1}{2} \times \frac{5}{8}$ in.	3/9	6/6 each.

No. 2107.

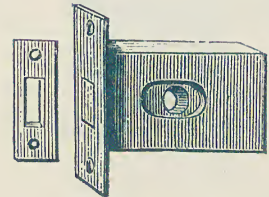


**Mortise Latch.**

Without Spring.

Size	Black.
$6\frac{1}{2} \times 3 \times \frac{5}{8}$	2/9 each.

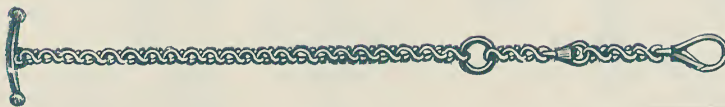
No. 2108.



**Mortise Latch.**

Worked with Finger.

Sizes.	Black.	Black, with Brass Plates.
$4 \times 2\frac{3}{4}$ in.	2/-	4/- each.
$5 \times 3$ in.	3/6	5/6 each.



**Cow Tying Chain.**

No. 2109.	2 ft. 9 in. long, Derby pattern	... 2/6 each.
" 2110.	2 ft. 9 in. long, Solid Ring pattern	... 2/3 "
" 2111.	3 ft. 3 in. long, Very Strong pattern	... 4/- "

No. 2112.

**Manger, or Halter Chains.**

3 ft. long, with Spring Hook and Tee.

Polished Iron. Galvanized. Brass.

Price ... 3/- 6/- 15/- each.



## HARNESS BRACKETS ARRANGED IN SETS.

- No. 2113. Gentlemen's Riding Saddle Brackets**, consisting of five pieces—viz., Nos. 2149, 2117, 2133, 2136, 2139. Fittings—Black, 8/-; Coloured, 9/- per set.
- No. 2114. Ladies' Riding Saddle Brackets**, consisting of five pieces—viz., Nos. 2150, 2117, 2137, 2136, 2139. Fittings—Black, 9/6; Coloured, 10/6 per set.
- No. 2115. Driving Harness Bracket for Single Harness**, consisting of six pieces—viz., Nos. 2130, 2128, 2135, 2117, 2139, 2136. Fittings—Black, 12/6; Coloured, 14/6 per set.
- No. 2116. Driving Harness Brackets for Double Harness**, consisting of twelve pieces—viz. (two of each), Nos. 2132, 2140, 2134, 2117, 2136, 2139. Fittings—Black, 27/-; Coloured, 30/- per set.

Bronze Medal, 1884.—Gold Medal, 1890.



**HARNESS BRACKETS.****No. 2117.****Girth and Harness Hook.**

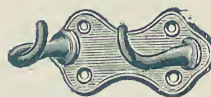
**No. 2117.** Girth Hooks.  
 Sizes. Black. Coloured. Brass.  
 1½ in. 2/- 2/9 8/- doz.  
 1½ in. 2/9 3/6 9/6 "

**No. 2118.** Harness Hooks.  
 2 in. 4/- 5/- 14/- "  
 2½ in. 5/6 6/9 18/- "  
 3 in. 9/6 11/- 31/- "

**No. 2119.****Harness Hook.**

With Screw for Wood or Iron.

Size 3 in. Black. Coloured. Brass.  
 Price 7/6 9/- 24/- doz.

**No. 2120.****Fork and Broom Holders.**

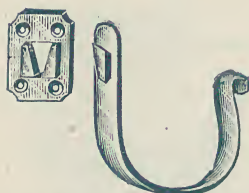
**No. 2120.** Fork Holder.  
 Sizes. Black. Coloured. Brass.  
 1½ x 4 in. 5/6 6/9 24/- doz.

**No. 2121.** Shovel Holder.  
 2 x 4 in. 6/9 8/- 28/- "

**No. 2122.** Broom Holder.  
 3 x 4 in. 8/- 9/- 30/- "

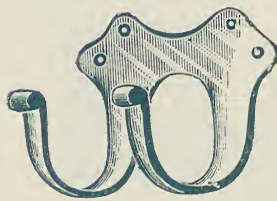
**No. 2123.****Bridle Hook.**

Sizes Black. Coloured. Brass.  
 2½ in. 4/9 5/6 16/- doz.  
 3 in. 5/- 6/- 18/- "  
 3½ in. 6/6 7/6 21/- "  
 4 in. 8/- 9/6 24/- "  
 5 in. 10/- 12/- 30/- "  
 6 in. 12/6 15/- 40/- "

**No. 2124.****Movable Bridle Hook.**

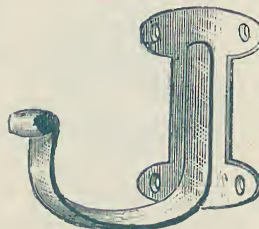
Size 4 in.

Black ... .. 9/- doz.  
 Coloured or  
 Galvanized ... 9/6 "  
 Brass ... .. 28/- "

**No. 2125.****Double Bridle Hook.**

Size 4 in.

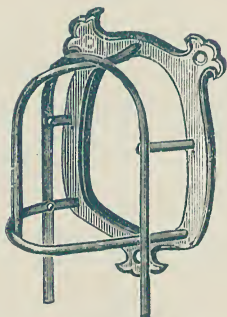
Black ... .. 13/- doz.  
 Coloured or  
 Galvanized ... 16/- "

**No. 2126.****Carriage Pole Hook.**

Size. Black. Coloured.  
 3½ in. 10/- 12/- doz.  
 5 in. 11/- 13/- "

**No. 2127.****Bridle or Harness Hook.**

Size 9¾ in. x 6 in.  
 Black, 2/-; Coloured, 2/6 each.

**No. 2128.****Driving Bridle Bracket.**

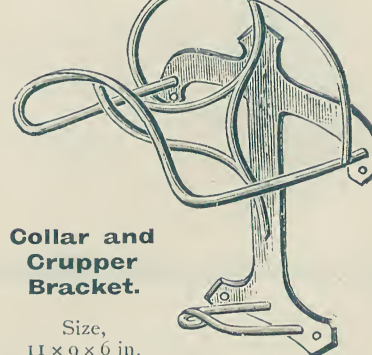
Size 8 x 5½ x 4½ 10 x 7 x 6 in.

Black ... .. 3/6 4/- each.  
 Coloured or Galvanized 4/- 4/6 "

**No. 2129.****Collar Bracket.**

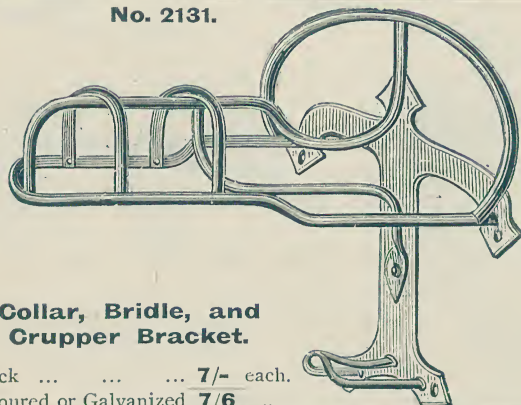
Pony Size. Full Size.

Black ... .. 4/- 4/3 each.  
 Coloured or Galvanized 4/6 4/9 "

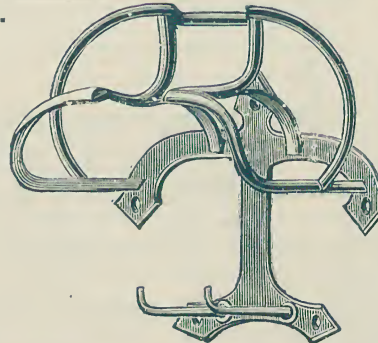
**No. 2130.****Collar and Crupper Bracket.**

Size,  
 11 x 9 x 6 in.

Black ... .. 4/6 each.  
 Coloured or Galvanized ... 5/- "

**No. 2131.****Collar, Bridle, and Crupper Bracket.**

Black ... .. 7/- each.  
 Coloured or Galvanized 7/6 "

**No. 2132.****Collar, Martingale, and Crupper Bracket.**

Price: Black, 4/9; Coloured or Galvanized, 5/3 each.

**Awards for Excellence of Machines and Tools:**



## HARNESS BRACKETS.

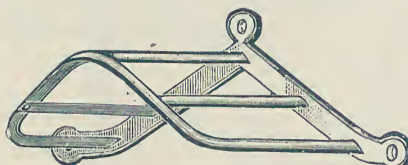
No. 2133.



**Riding Bridle Brackets.**

Sizes. Black, Coloured or Gvzd.  
 $2 \times 3$  in. 11/- 14/- per doz.  
 $2\frac{1}{2} \times 3\frac{1}{2}$  in. 16/- 19/- per doz.  
 $2\frac{1}{2} \times 4\frac{1}{2}$  in. 20/- 24/- per doz.

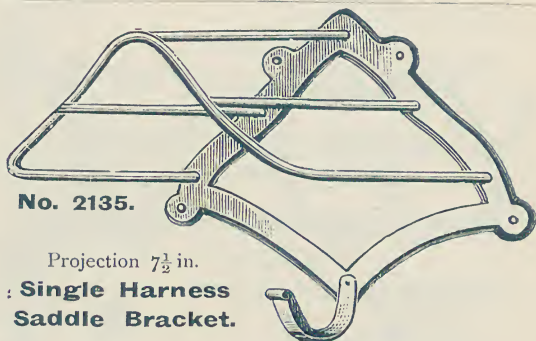
No. 2134.



**Double Harness Pad Bracket.**

Projection  $6\frac{1}{2}$  in.  
 Black ... .. 2/- each.  
 Coloured or Galvanized 2/6 "

No. 2135.



Projection  $7\frac{1}{2}$  in.  
**Single Harness Saddle Bracket.**

Black ... .. 3/9 each.  
 Coloured or Galvanized ... 4/- "

No. 2136.



**Rein and Crupper Brackets.**

Sizes  $3\frac{1}{2} \times 2$   $4 \times 2\frac{1}{2}$  in.  
 Black 7/6 8/- doz.  
 Coloured or Gvzd. 9/- 9/6 "

No. 2137.



**Horse Shoe Riding Bridle Bracket.**

Sizes  $6 \times 4$   $10 \times 6\frac{1}{2} \times 3$  in.  
 Black 2/3 4/6 each.  
 Coloured or Galvanized 2/6 5/- "

No. 2138.



**Harness Bracket.**

Size ... 4 in.  
 Black ... 6/- per doz.  
 Coloured ... 7/6 "

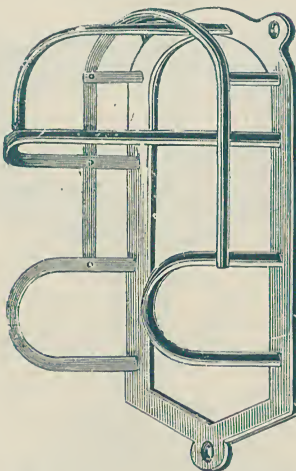
No. 2139.



**Bit and Stirrup Holders.**

Size ...  $2\frac{1}{4} \times 4$  in.  
 Black ... 7/- per doz.  
 Coloured ... 8/- "  
 Brass ... 2/6 each.

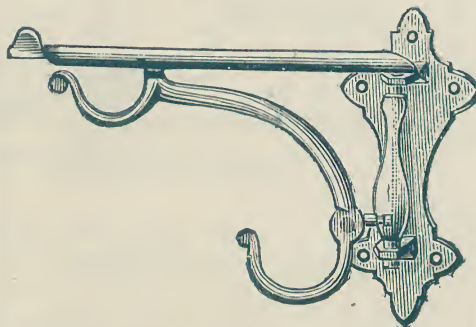
No. 2140.



**Bridle and Winker Bracket.**

Size ... ..  $7 \times 6 \times 1\frac{1}{2}$  in.  
 Black ... .. 5/3 each.  
 Coloured or Galvanized 6/- each.

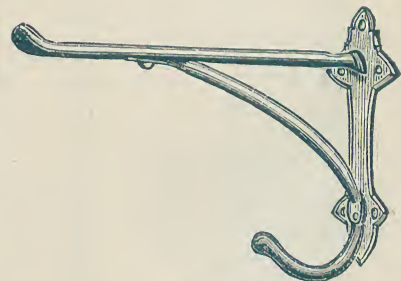
No. 2141.



**Harness Bracket to Swing.**

Sizes ... .. 8 10 12 in.  
 Black ... .. 2/6 3/- 3/9 each.  
 Coloured or Galvanized 2/9 3/6 4/- "

No. 2142.



**Harness Bracket.**

Sizes 7 8 10 12 15 in.  
 Black 1/6 1/8 1/10 2/- 3/- each  
 Coloured or Galvanized 1/8 1/10 2/- 2/3 3/6 "

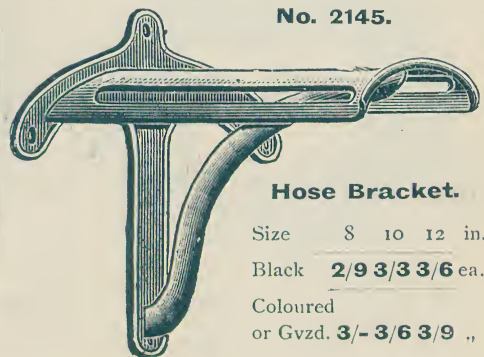
No. 2144.



**Harness Bracket.**

Sizes 4 5 6 7 8 in.  
 Black 5/6 6/- 7/6 9/- 10/- per doz.  
 Coloured 6/- 7/6 9/- 10/- 12/- "

No. 2145.



**Hose Bracket.**

Size 8 10 12 in.  
 Black 2/9 3/3 3/6 ea.  
 Coloured or Gvzd. 3/- 3/6 3/9 "

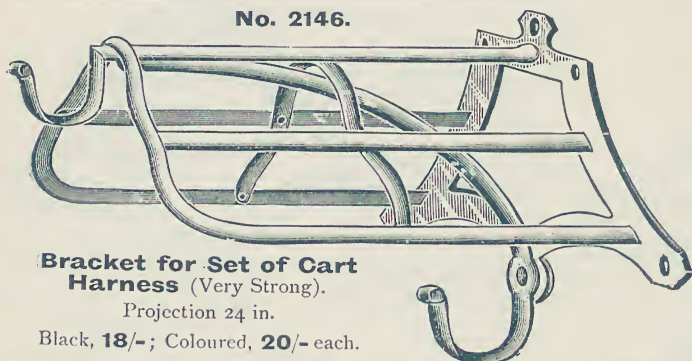
No. 2143.



**Harness Bracket.** Size  $5\frac{1}{2}$  in.  
 Black 9/- Coloured 10/- per doz.

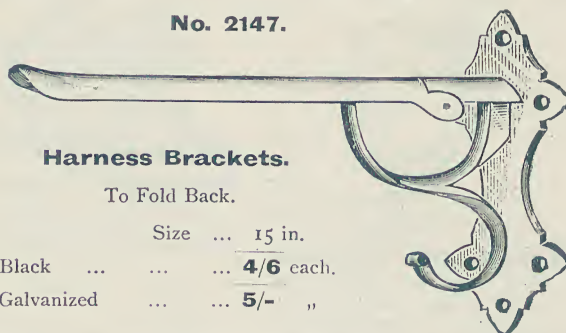
Bronze Medal, 1884,—Gold Medal, 1890.



**HARNESS BRACKETS, GIRTH STRETCHER, Etc.****No. 2146.****Bracket for Set of Cart Harness** (Very Strong).

Projection 24 in.

Black, 18/-; Coloured, 20/- each.

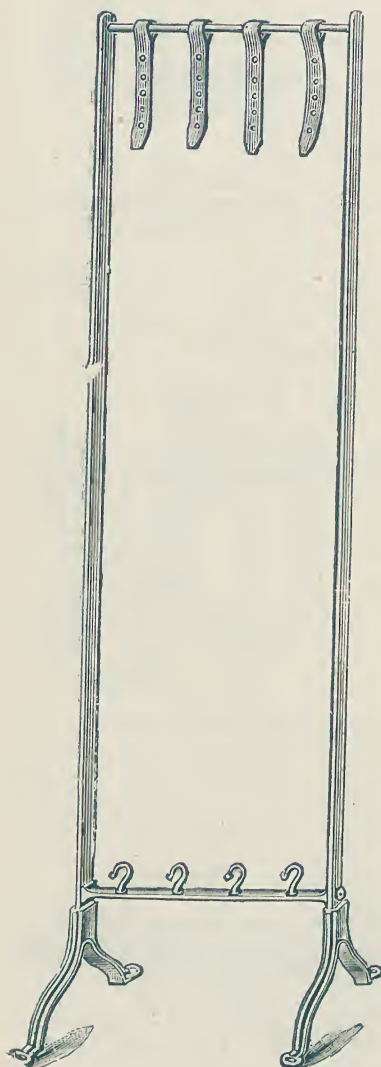
**No. 2147.****Harness Brackets.**

To Fold Back.

Size ... 15 in.

Black ... .. 4/6 each.

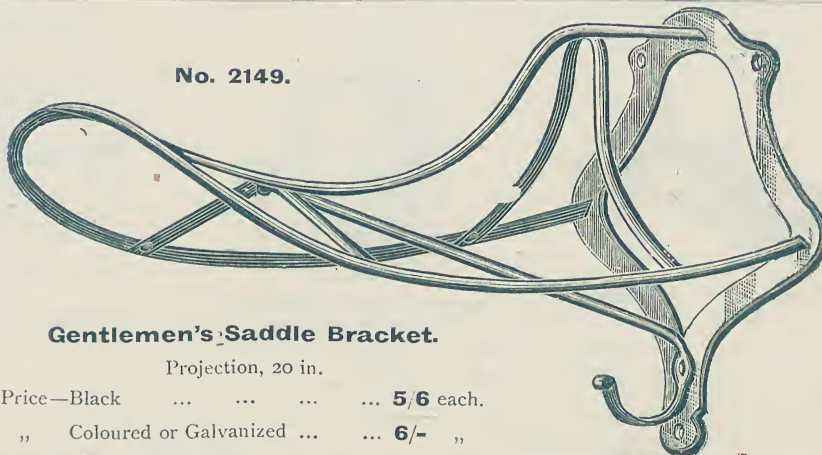
Galvanized ... .. 5/- "

**No. 2148.****Girth Stretcher.**

60 x 15 in., for 4 Girths.

Black ... .. 20/- each.

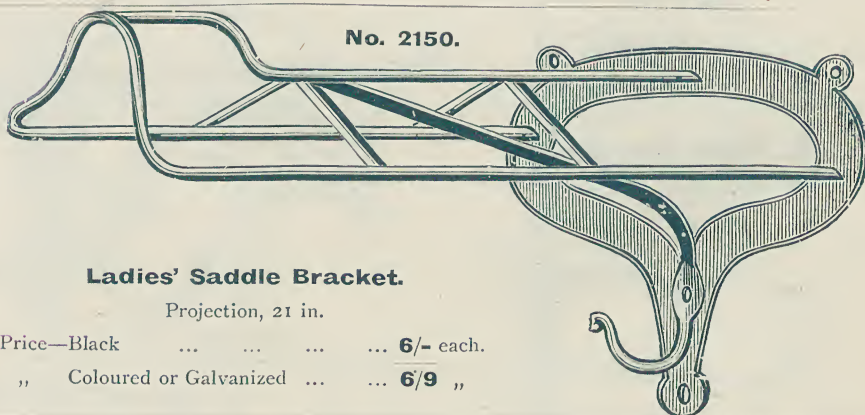
Coloured ... .. 23/- "

**No. 2149.****Gentlemen's Saddle Bracket.**

Projection, 20 in.

Price—Black ... .. 5/6 each.

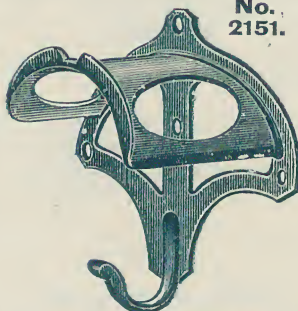
" Coloured or Galvanized ... .. 6/- "

**No. 2150.****Ladies' Saddle Bracket.**

Projection, 21 in.

Price—Black ... .. 6/- each.

" Coloured or Galvanized ... .. 6/9 "

**No. 2151.****Strong Complete Harness Bracket.**

6½ in. projection.

Black. Coloured.

Price 5/3 5/6 ... 5/6 6/- each.

7½ in. projection.

Black. Coloured.

Price 5/3 5/6 ... 5/6 6/- each.

**No. 2152.****Stirrups and Bit Bracket.**

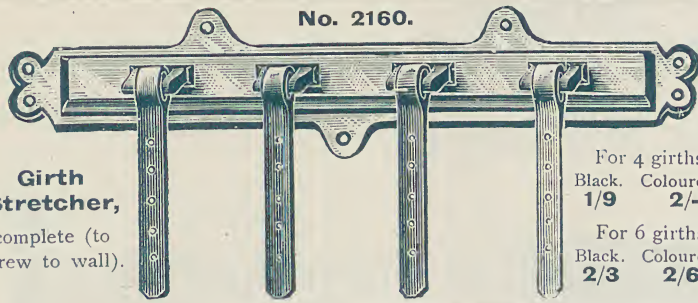
Black ... .. 1/- each.

Galvanized or Coloured 1/3 "

**Awards for Excellence of Machines and Tools:**



# STABLE FITTINGS, Etc.



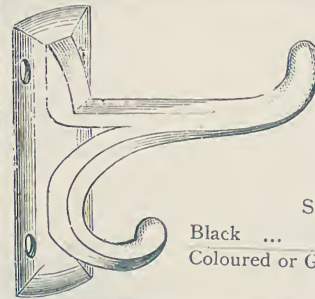
**Girth Stretcher,**

complete (to screw to wall).

No. 2160.

For 4 girths  
Black. Coloured.  
1/9 2/- ea.

For 6 girths  
Black. Coloured.  
2/3 2/6 ea.



No. 2161.

**Harness Bracket**  
(very strong).

Sizes ... 7 12 in.  
Black ... 3/- 3/6 ea.  
Coloured or Galvanized 3/6 4/- "

No. 2162.



**Harness Cleaning Wall Rack.**

With Movable Brackets.  
Length, 43 in.

Black. Coloured. Galvanized.  
16/- 17/- 20/- each.

No. 2163.

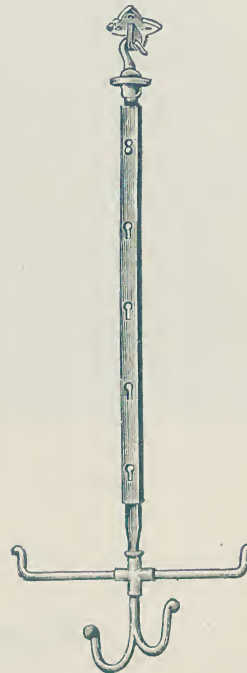


**Telescopic Harness Cleaning Hook.**

Length, open 60 in., closed 42 in.

Black. Coloured. Black Leather  
or Galvanized. covered Hooks.  
12/- 16/- 20/- each.

No. 2164.



**Telescopic Harness Hook.**

54 in. open, 36 in. closed.

Black. Coloured or Galvanized.  
11/- 13/- each.

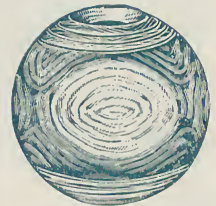
No. 2165.



**Iron Halter Ball.**

Sizes 1 1/4 1 1/2 1 3/4 lb.  
Prices -/9 -/10 1/- each.

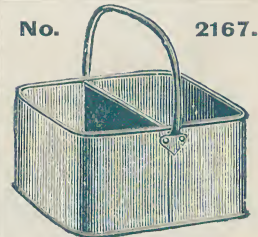
No. 2166.



**Lignum Vitæ Halter Ball.**

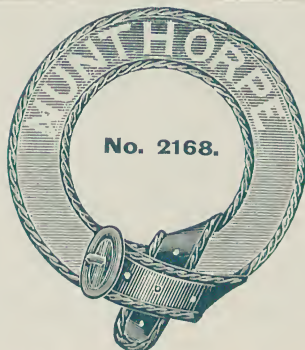
Size 3 1/2 4 4 1/2 in.  
Prices 1/- 1/3 1/6 each.

No. 2167.



**Sand Box.**

Size, 8 x 10 x 6 in.  
Galvanized, 5/6 each.



No. 2168.

**Cast-Iron Name Plate.**

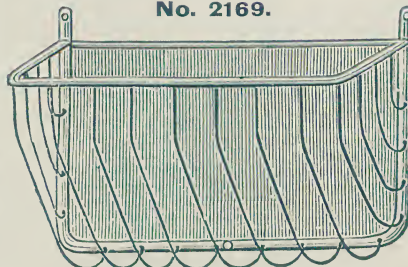
8 1/2 x 8 1/2 in.

Black. Coloured.

Price 2/- 2/3 each.

Name painted in colour 2/6 each extra.

No. 2169.

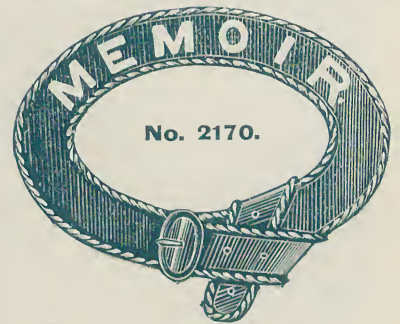


**Sponge Basket.**

Size, 16 x 8 x 8 in.

Black. Coloured. Galvanized.

Price 7/6 8/- 9/- each.



No. 2170.

**Cast-Iron Name Plate.**

Size 7 1/2 x 10 1/2 in.

Black. Coloured.

Price 2/- 2/3 each.

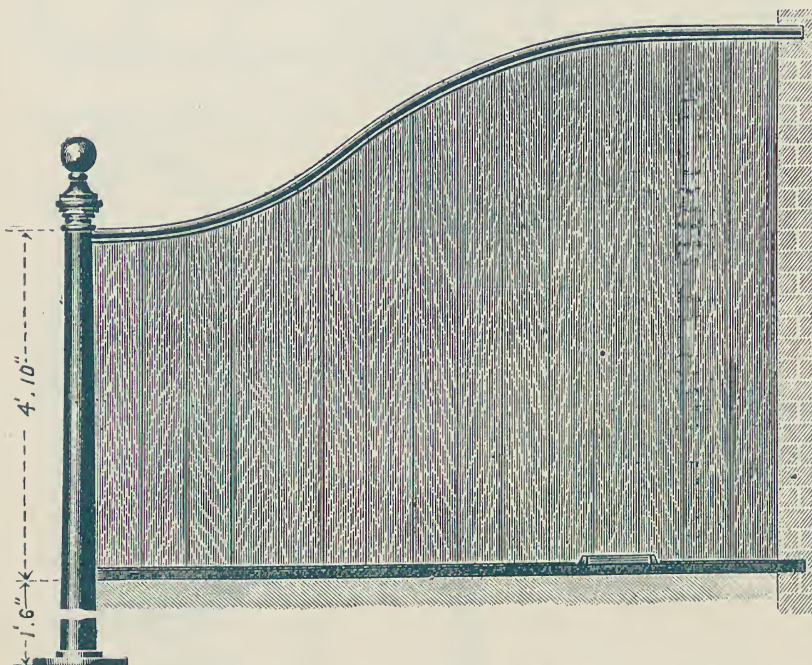
Name painted in colours, 2/3 each extra.

Bronze Medal, 1884.—Gold Medal, 1890.



## STABLE FITTINGS.

## STALL DIVISION.



Plain Ramp.

For  $1\frac{1}{2}$  in. Wood.

**No. 2171.** Stall Post, 4 in. diameter, with Halter Ring, 18 in. into ground, **25/-** each.

**No. 2172.** Stall Ramp, 9 ft. 6 in. long, **38/6** each.

**No. 2173.** Sill, 9 ft. 6 in. long, **9/3** each.  
Fitting Stall Post to Ramp, **8/9** each.

For  $1\frac{3}{4}$  in. Wood.

**No. 2174.** Stall Post, 4 in. diameter, with Halter Ring, 18 in. into ground, **24/6** each.

**No. 2175.** Stall Ramp, 9 ft. 6 in. long, **45/-** each.

**No. 2176.** Sill, 9 ft. 6 in. long, **9/3** each.  
Fitting Stall Post to Ramp, **8/6** each.

## STALL DIVISION.

For  $1\frac{1}{2}$  in. Wood.

**No. 2177.** Stall Post, 4 in. diameter, 18 in. into ground, and Halter Ring, **25/-** each.

**No. 2178.** Wrought Bar Stall Division, 9 ft. 6 in. long, 24 in. high at head, **39/-** each.

**No. 2179.** Sill, 9 ft. 6 in. long, **9/3** each.  
Fitting Stall Post to Division, **9/6** each.

If Division is 30 in. high instead of 24 in., **6/-** extra.

For  $1\frac{3}{4}$  in. Wood.

**No. 2180.** Stall Post, 4 in. diameter, 18 in. into ground, and Halter Ring, **24/6** each.

**No. 2181.** Wrought Bar Stall Division, 9 ft. 6 in. long, 24 in. high at head, **45/-** each.

**No. 2182.** Sill, 9 ft. 6 in. long, **9/3** each.  
Fitting Stall Post to Division, **9/6** each.

If Division is 30 in. high instead of 24 in., **6/-** extra.

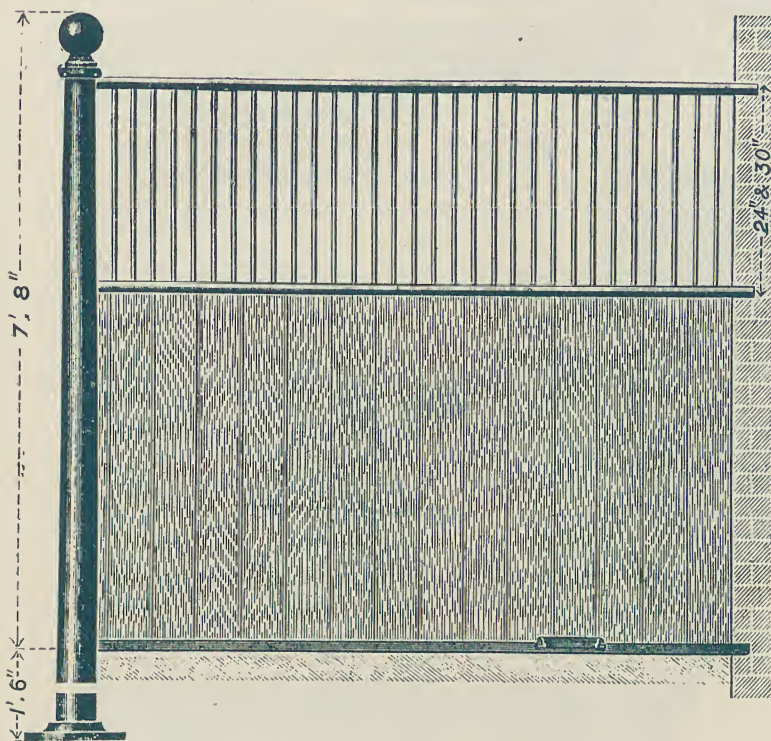


Awards for Excellence of Machines and Tools :



## STABLE FITTINGS.

### LOOSE BOX DIVISION.



For  $1\frac{1}{2}$  in. Wood.

**No. 2183.** Loose Box Post,  $\frac{1}{4}$  in. diameter, 18 in. into ground, **31/-** each.

**No. 2184.** Loose Box Division, 9 ft. 6 in. long with Wrought Bars 24 in. high, **43/-** each.

**No. 2185.** Sill, 9 ft. 6 in. long, **9/3** each.

Fitting Post to Division and Door, **11/-** each extra.

If Division is 30 in. high, instead of 24 in., **6/-** extra.

For  $1\frac{3}{4}$  in. Wood.

**No. 2186.** Loose Box Post, 4 in. diameter, 18 in. into ground, **31/-** each.

**No. 2187.** Loose Box Division, 9 ft. 6 in. long, with Wrought Bars 24 in. high, **49/-** each.

**No. 2188.** Sill, 9 ft. 6 in. long, **10/6** each.

Fitting Post to Division and Door, **11/-** extra.

If Division is 30 in. high instead of 24 in., **6/-** extra.

### STALL DIVISION.

For  $1\frac{1}{2}$  in. Wood.

**No. 2189.** Stall Post,  $\frac{1}{2}$  in. diameter, 18 in. into ground, with Halter Ring, **36/-** each.

**No. 2190.** Stall Division, 9 ft. 6 in. long, with Wrought Bars, and Collars top and bottom, 24 in. high at head, **48/6** each.

**No. 2191.** Sill, 9 ft. 6 in. long, **9/3** each.

Fitting Post to Stall Division, **11/-** each extra.

If Division is 30 in. high instead of 24 in., **6/-** extra.

For  $1\frac{3}{4}$  in. Wood.

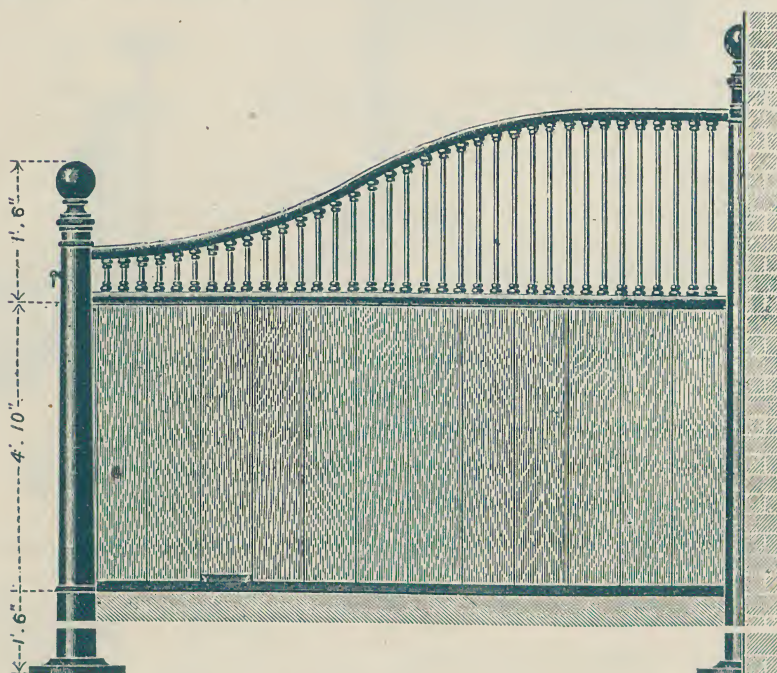
**No. 2192.** Stall Post,  $\frac{1}{2}$  in. diameter, 18 in. into ground, with Halter Ring, **36/-** each.

**No. 2193.** Stall Division, 9 ft. 6 in. long, with Wrought Bars, and Collars top and bottom, 24 in. high at head, **53/-** each.

**No. 2194.** Sill, 9 ft. 6 in. long, **10/6** each.

Fitting Post to Stall Division, **11/-** each extra.

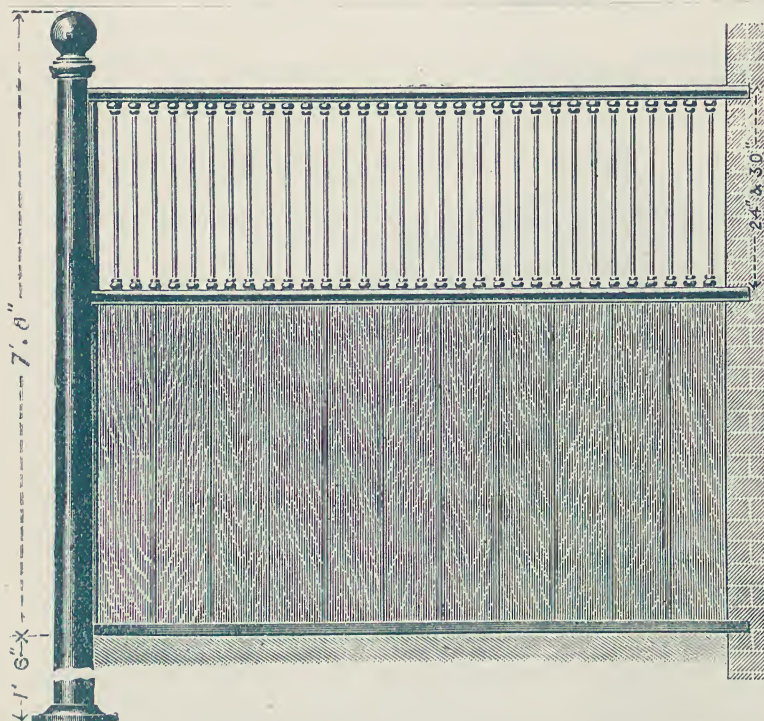
If Division is 30 in. high instead of 24 in., **6/-** extra.



Bronze Medal, 1884.—Gold Medal, 1890.



## STABLE FITTINGS.



## LOOSE BOX DIVISION.

For  $1\frac{1}{2}$  in. Wood.

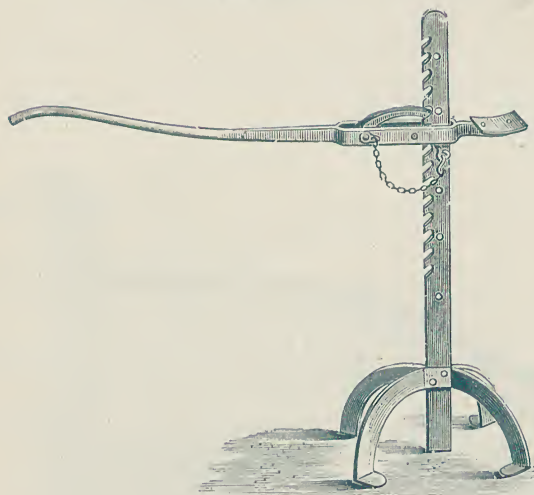
- No. 2195.** Loose Box Post,  $4\frac{1}{2}$  in. diameter, 18 in. into ground, with Halter Ring, **36/-** each.
- No. 2196.** Loose Box Division, 9 ft. 6 in. long, with Wrought Bars, and Collars top and bottom, 24 in. high, **55/-** each.
- No. 2197.** Sill, 9 ft. 6 in. long, **9/3** each.  
Fitting Post to Stall Division, **11/-** each.  
If Division is 30 in. high instead of 24 in., **7/6** extra.

For  $1\frac{3}{4}$  in. Wood.

- No. 2198.** Loose Box Post,  $4\frac{1}{2}$  in. diameter, 18 in. into ground, with Halter Ring, **36/-** each.
- No. 2199.** Loose Box Division, 9 ft. 6 in. long, with Wrought Bars, and Collars top and bottom, 24 in. high, **58/-** each.
- No. 2200.** Sill, 9 ft. 6 in. long, **10/3** each.  
Fitting Post to Stall Division, **11/-** each.  
If Division is 30 in. high instead of 24 in., **9/-** extra.

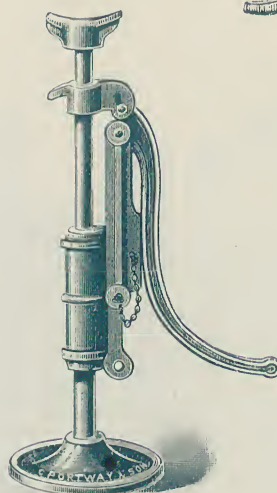
## CARRIAGE JACKS.

No. 2201.

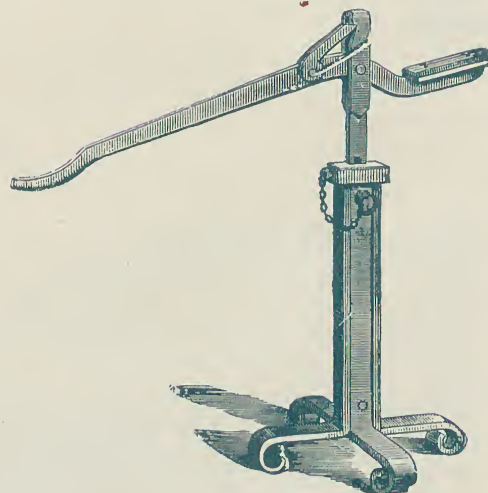


Wrought Iron.  
Price ... .. **13/-** each.

No. 2202.



No. 2203.



To lift 6 cwt. ... **15/6** each.  
" 12 ... **19/-** "

## "The Little Jack."

Lifts axle from

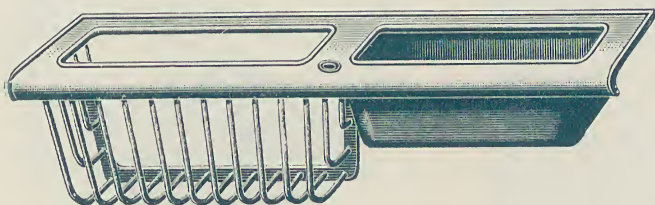
No.	Height.	ground.	Price.
1	14 in.	20 in.	<b>6/9</b> each.
1A	14 in.	20 in.	<b>8/9</b> "
2	18 in.	25 in.	<b>10/-</b> "
3	22 in.	29 in.	<b>13/6</b> "
4	17 & 27 in.	19 & 29 in.	<b>20/-</b> "

Awards for Excellence of Machines and Tools:



## CAST IRON MANGER SETS.

No. 2206.



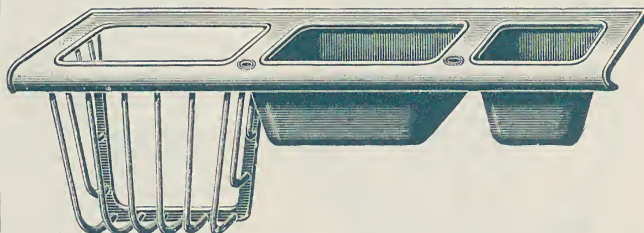
**Manger and Hay Rack.**

Fitted to Top Plate, Right or Left Hand.

Size, 6 ft. long  $\times$  18 $\frac{1}{2}$  in. wide.

Prices—Black, 38/6 ; Galvanized, 58/6 ; Enamelled Manger, 60/-

No. 2207.



**Manger, Hay Rack, and Gruel Pot.**

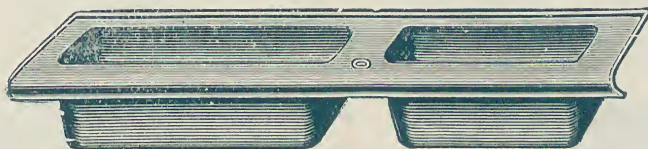
Fitted to Top Plate, Right or Left Hand.

Sizes, 5 ft. 6 in. to 6 ft. 6 in. long  $\times$  18 $\frac{1}{2}$  in. wide.

Prices, including Brass Plug—

Black, 45/- ; Galvanized, 68/- ; Enamelled, 73/-

No. 2208.



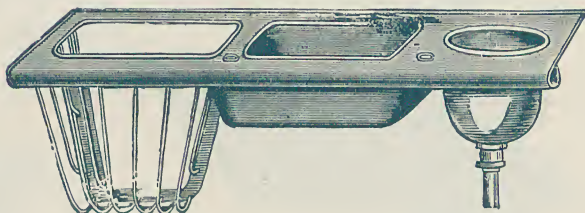
**Two Mangers.**

Fitted to Top Plate.

Size, 6 ft. long  $\times$  18 $\frac{1}{2}$  in. wide, 8 $\frac{1}{2}$  in. deep.

Prices—Black, 41/6 ; Galvanized, 72/- ; Enamelled, 76/6

No. 2209.



With Barrel Front 6 ft. long  $\times$  19 $\frac{1}{2}$  in. wide.

Fitted with Tip up Pot.

Prices—Black, 71/- ; Galvanized, 99/- ; Enamelled, 97/-

No. 2210.

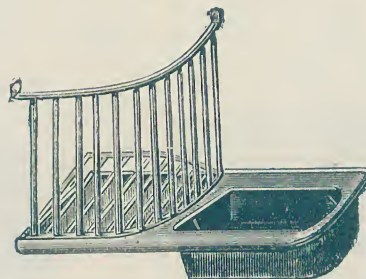


**Cast Iron Straight Manger.**

Sizes made 5 ft. 6 in. to 6 ft. 6 in. long.

	Black.	Galvanized.	Enamelled.
Manger 36 in. ...	33/-	56/-	60/-
" 42 in. ...	34/-	59/-	68/-
" 48 in. ...	35/6	62/-	71/-
" 54 in. ...	36/-	64/-	74/-
" 60 in. ...	38/-	70/-	80/-

No. 2211.



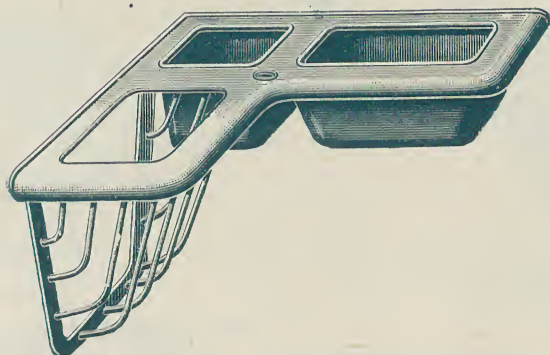
**Hay Rack and Manger, with Bold Curved Front.**

Size, 3 ft. 10 in.  $\times$  18 $\frac{1}{2}$  in. wide.

Either Right or Left Hand.

Prices—Black, 57/- ; Galvanized, 78/- ; Enamelled, 73/-

No. 2212.

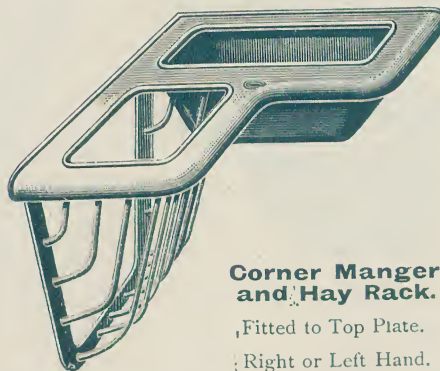


**Corner Manger, Hay Rack, and Gruel Pot.**

Fitted to Top Plate, Right or Left Hand.

Prices—Black, 53/9 ; Galvanized, 75/- Enamelled, 80/-

No. 2213.



**Corner Manger and Hay Rack.**

Fitted to Top Plate.

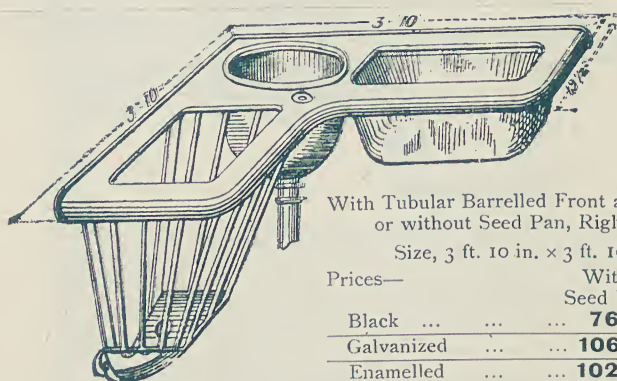
Right or Left Hand.

Size, 4 ft.  $\times$  2 ft. 8 in.

With Bold Curved Front.

Prices—Black, 44/- ; Galvanized, 65/- ; Enamelled, 66/-

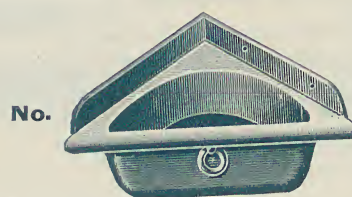


**MANGERS, HORSE POTS, GUTTER, Etc.****No. 2214.**

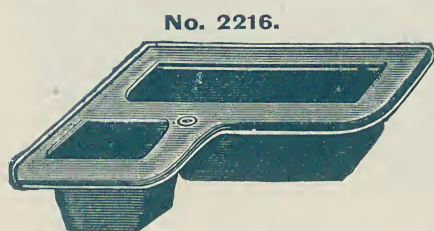
With Tubular Barrelled Front and Tip-up Pot, with or without Seed Pan, Right or Left Hand.

Size, 3 ft. 10 in. x 3 ft. 10 in. x 19½ in.

Prices—	With Seed Pan.	Without Seed Pan.
Black ... ..	76/-	73/-
Galvanized ... ..	106/-	100/-
Enamelled ... ..	102/-	98/-

**No.****2215.****Corner Manger.**

Sizes	30	33	36	42	48	in.
Black	11/-	11/6	12/-	14/-	22/-	each.
Galvanized	17/6	18/6	19/9	23/-	34/6	"
Enamelled...	29/-	31/-	32/-	38/-	48/-	"

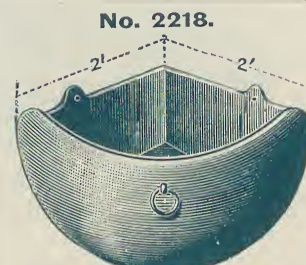
**No. 2216.**

**Manger and Gruel Pot,**  
either right or left hand.

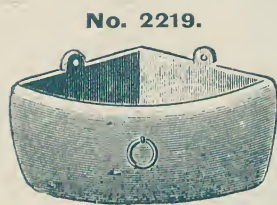
Prices.	Black.	Galvanized.	Enamelled.
	24/6	41/-	52/6

**No. 2217.****Straight Manger.**

Sizes	30	33	36	42	48	60	in.
Black	11/-	11/6	12/-	18/-	20/-	55/-	ea.
Galvanized	17/6	19/-	20/-	29/-	32/-	89/-	"
Enamelled	29/-	31/-	33/-	46/-	51/-	105/-	"

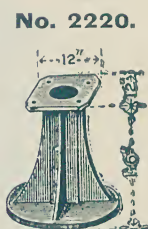
**No. 2218.****Corner Manger, 12 in. deep.**

Prices	Black	Galvanized	Enamelled
	24/-	28/-	38/-

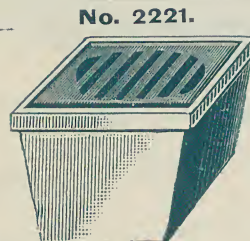
**No. 2219.**

**Corner Manger,**  
10 in. deep.

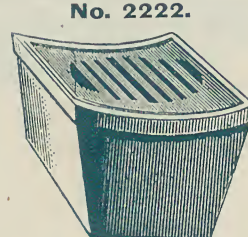
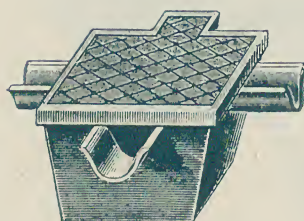
Prices—	Black	Galvanized	Enamelled
	14/6 each.	21/-	33/-

**No. 2220.****Self-fixing Flange.**

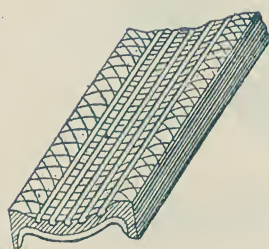
Price 16/- each,  
including Fitting and Bolts.

**No. 2221.****Horse Pot.**

Sizes	8	9	10	11	12	in.
Prices, for No. 2221 and 2222	3/9	4/6	5/6	7/-	8/6	each.

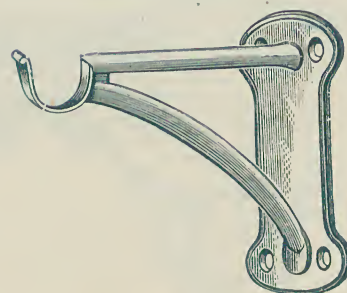
**No. 2222.****Mare Pot.****No. 2223.****Inlet Pot.**

Sizes	9	10	12	in.
Prices, 4 inlet	8/6	9/6	14/-	each.
3 ..	7/-	8/-	12/6	"
2 ..	6/9	7/9	12/3	"

**No. 2224.****Open Gutter.**

In 6 ft. lengths x 6 in. wide.

Prices:	Gutter	Tees	Angles
	3/- per foot.	4/9 each.	3/6 "

**No. 2225.****Bucket Bracket.**

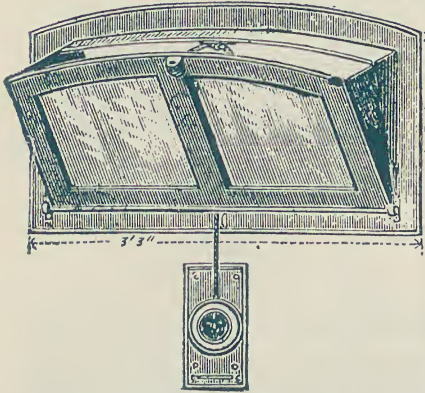
Prices:	Sizes	7	9½	in.
Black	...	19	1/11	each.

**Awards for Excellence of Machines and Tools:**



# VENTILATING WINDOWS, STABLE GUTTERS, HAY RACKS, Etc.

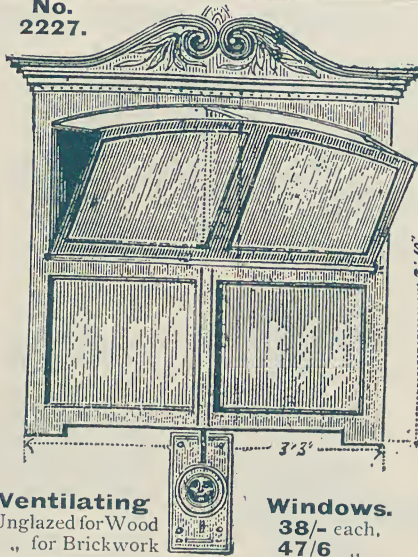
No. 2226.



**Ventilating Windows.**

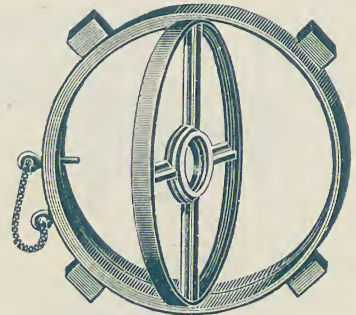
Size of Opening 3 ft. x 1 ft. 2 in.  
Prices—Unglazed for Wood 24/- each.  
" for Brickwork 26/- "

No. 2227.



**Ventilating Windows.**  
Unglazed for Wood 38/- each,  
" for Brickwork 47/6 "

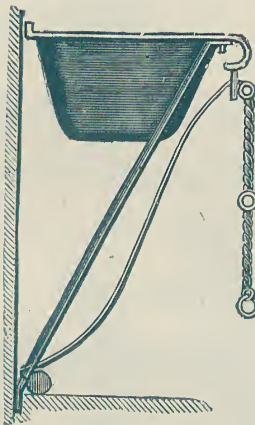
No. 2228.



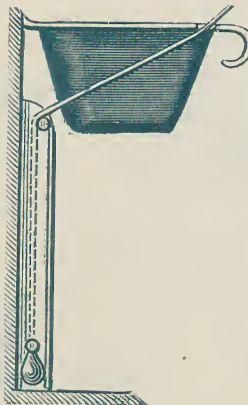
**Bull's Eye Light.**

Sizes 19 24 32 in. diameter.  
Price 10/9 13/6 17/- each.

No. 2229.

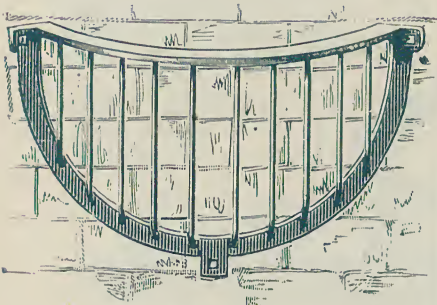


No. 2230.

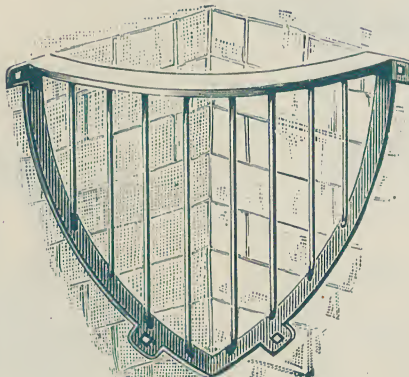


**Noiseless Tying Apparatus.** No. 2229. 14/- each. No. 2230. 17/- each.

No. 2233.



No. 2234.

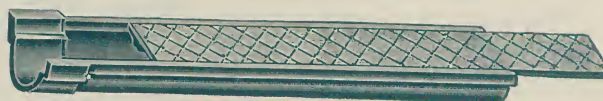


**Cast Iron Hay Racks.** Angle and Flat same price.  
Black, 30 in., 6/6 33 in., 8/- 36 in., 9/6 Galvanized, 30 in., 11/- 33 in., 13/6 36 in., 16/-  
In Wrought Iron, 30 in., 16/- 33 in., 18/- 36 in., 20/- each.

No. 2236.



No. 2237.



**Stable Gutter.** 4 1/2 in. and 6 in. wide.

Prices—4 1/2 in. wide 2/2 per foot 6 in. wide 3/9 per foot.

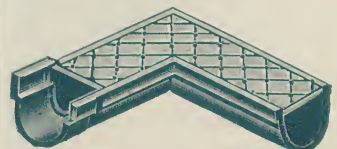
No. 2235.



**Shoe for Manger Set.**

Two pairs required for each set.  
Black 2/6 per pair, for one end only.  
Galvanized 3/6 " " "

No. 2238.



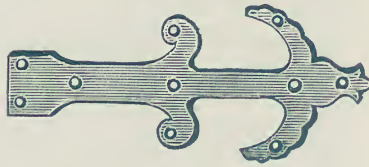
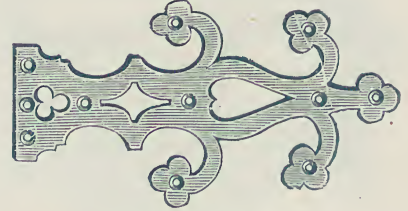
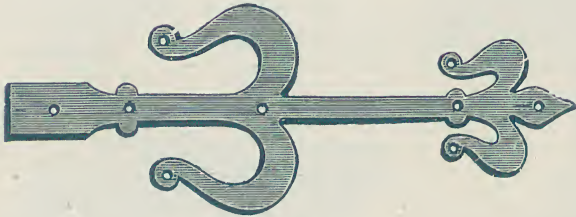
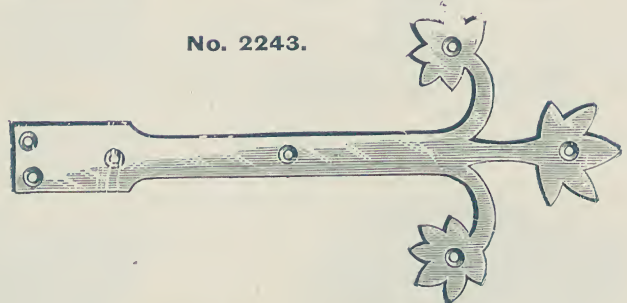
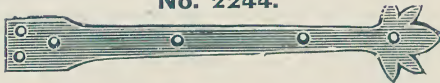
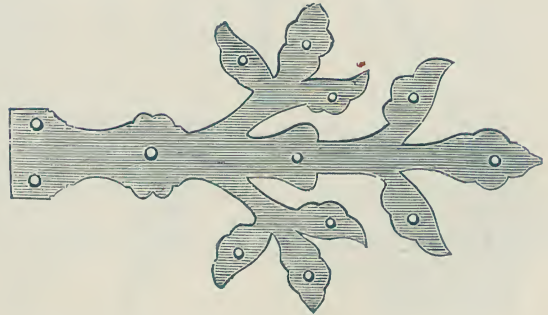
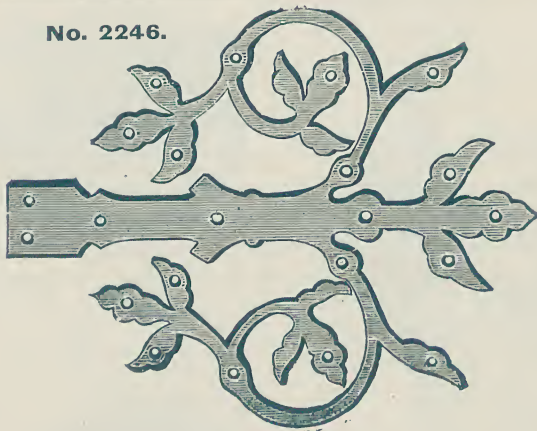
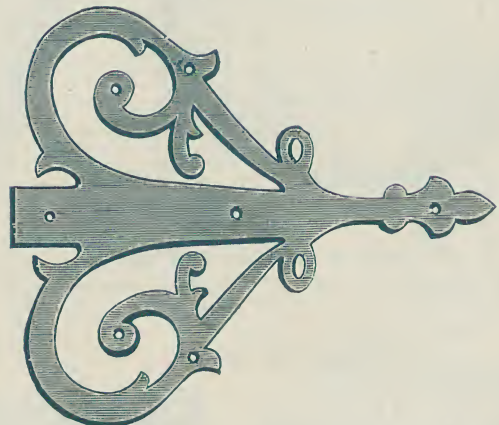
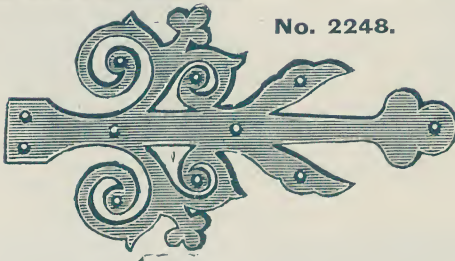
**Angle Piece.**

Prices—4 1/2 in. 3/9 6 in. 5/9 each

**Stable Grate and Frame.**  
6 7 8 9 10 12 in.  
1/8 1/10 2/10 3/10 4/9 7/- each.

Bronze Medal, 1884.—Gold Medal, 1890.

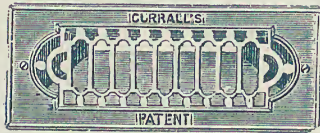


**MALLEABLE HINGE FRONTS.****No. 2239.**Size  $7\frac{1}{2} \times 3\frac{1}{2}$  in.Malleable, Berlin Black ... **1/6** per pair.**No. 2240.**Size  $15 \times 7$  in.Malleable, Berlin Black ... **4/6** per pair.**No. 2241.**Size  $10\frac{1}{4} \times 5\frac{1}{2}$  in.Malleable, Berlin Black ... **2/6** per pair.**No. 2242.**Size  $24 \times 8\frac{1}{2}$  in.Malleable, Berlin Black ... **8/-** per pair.**No. 2243.**Size  $18 \times 8\frac{1}{2}$ Size  $20 \times 8\frac{1}{2}$  in.Price **4/6****5/6** per pair.**No. 2244.**Size  $18 \times 3$  in.Malleable, Berlin Black ... **3/6** per pair.**No. 2245.**Size  $17 \times 12$  in.Malleable, Berlin Black ... **7/6** per pair.**No. 2246.**Size  $24 \times 18$  in.Malleable, Berlin Black ... **26/-** per pair.**No. 2247.**Size ...  $18 \times 8\frac{1}{2}$ Size  $20 \times 8\frac{1}{2}$  in.Malleable, Berlin Black **8/6****22/-** per pair.**No. 2248.**Size  $19\frac{1}{2} \times 10\frac{1}{2}$  in.Malleable, Berlin Black ... **10/6** per pair.



## VENTILATORS.

No. 2249.



**Curral's Patent Chimney Breast Ventilator.**

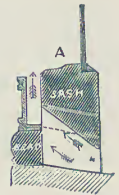
Sizes	10	13	16	19 in.
Prices	2/9	3/9	5/6	7/6 each.

No. 2250.



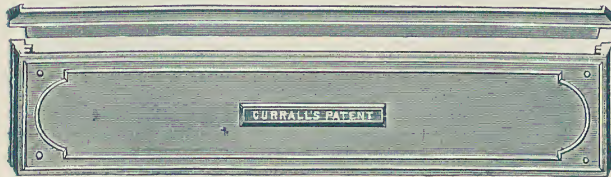
**Curral's Patent Window Inlet.**

Sizes	12	15	18	24 in.
Prices	3/3	4/-	4/9	6/9 each.



Showing current of fresh air.

No. 2251.



**Curral's Patent Door Inlet.**

Sizes	12	15	18	24 in.
No. 2251. Price, with Cover	4/3	5/6	6/3	7/6 each.
" 2252. Without Cover	2/6	3/-	3/3	4/9 "



Showing current of fresh air.

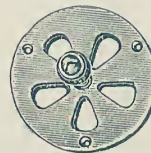
No. 2254.



**Perforated Plate, for Door Inlet.**

Sizes	12	15	18	24 in.
Prices...	1/9	2/1	2/6	3/3 each.

No. 2255.



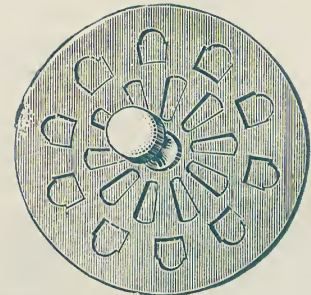
**Brass Hit and Miss Ventilator.**

Sizes	2 1/2	3	3 1/2	4 in.
Prices	1/6	1/9	2/3	2/9 ea.

**Fancy Bronzed Iron Hit and Miss Ventilator.**

Sizes	4	5	6	7	8	9	10	12 in.
Price	1/-	1/6	1/9	2/3	3/-	3/6	4/-	5/9 each.

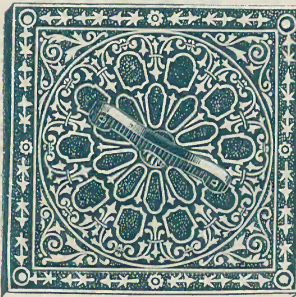
No. 2256.



**Brass Hit and Miss Ventilator.**

		Sizes	4	5	6	7	8	in.
Prices	...	...	3/3	4/-	5/9	8/-	10/9	each.
		Sizes	9	10	12	15	in.	
Prices	...	...	15/3	18/9	26/9	45/-	each.	
		Sizes	4	5	6	7	8	in.
If with Loose Key			4/-	5/-	7/-	9/6	12/3	each.
		Sizes	9	10	12	15	in.	
Prices	...	...	16/3	21/-	29/-	49/-	each.	

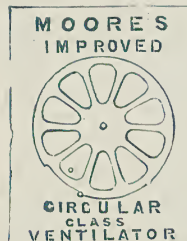
No. 2257.



**Square Bronzed Iron Hit and Miss Ventilator.**

Sizes	6	8	9	10	12 in.
Prices	1/10	2/3	3/9	4/9	7/- ea.

No.

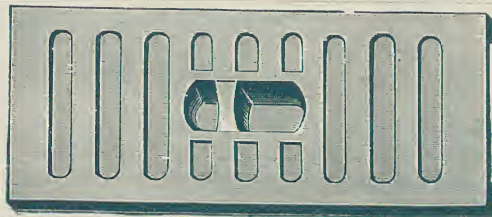


2258.

**Circular Glass Ventilator.**

From 4 to 10 in. diameter.  
All Polished Plates are fitted with Plate Circles.  
Prices quoted on Specification.

No.



2559.

**Brass Sunk Slide Ventilators.**

Length	3	4	5	6	7	8	9	10	12	14	18 in.
2 1/2 in. wide	2/-	2/6	3/3	3/6	4/-	5/-	5/9	—	—	—	ca.
3 "	2/3	2/9	3/6	3/9	4/6	5/6	6/-	7/-	7/6	—	"
3 1/2 "	—	—	—	4/9	5/9	6/6	7/-	—	—	—	"
4 "	—	3/6	4/6	5/6	6/6	6/9	7/9	8/6	9/3	—	"
5 "	—	—	—	—	—	8/6	9/-	10/-	11/3	—	18/9 "
6 "	—	—	—	—	—	—	9/6	11/3	13/9	18/-	23/- "

No. 2560.

**Improved Glass Ventilators.**



**Louvre Ventilators.**

No. 1 Quality. Brass Frames, Cast Brass Levers, Polished Plate Glass, edges rounded and polished.

No. 2 Quality. Zinc Frames, Cast-Brass Levers, Patent Plate Glass, edges ground.

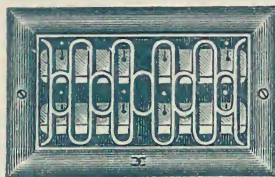
Sizes from 9 x 6 to 30 x 24 in.

Prices quoted to a specification, and Order Forms supplied.



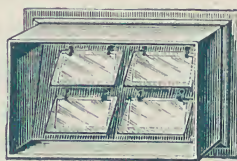
## VENTILATORS.

No. 2561.



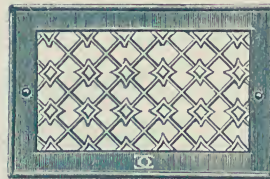
Plain Iron.

No. 2561.



Back View.

No. 2563.



Flat Brass Front.



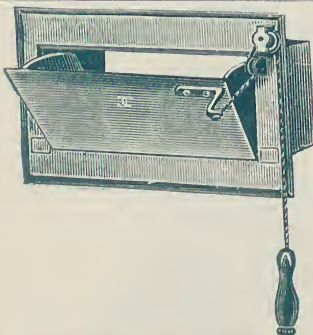
No. 2567.

Hit and Miss Front.

Iron Fronts.

Lacquered Brass Front Plate.

No.	Front Size	...	11x5	8x8	11x7	11x9	11x11	16x11	14x20	11x5	8x8	11x7	11x9	11x11	16x11	in.
	Box	...	9x3	6 1/2 x 6 1/2	9x5	9x7 1/2	9x9	14x9	12x18	9x3	6 1/2 x 6 1/2	9x5	9x7 1/2	9x9	14x9	in.
2561. Plain Iron	...	...	3/3	4/6	4/6	7/3	8/3	12/-	29/-	6/3	8/3	9/6	12/6	15/-	21/-	ea.
2562. Painted Bronze	...	...	3/6	4/9	4/9	7/6	9/-	12/6	32/-	...	...	...	...	...	...	...
2563. Japanned Bronze	...	...	3/9	5/3	5/3	8/-	9/9	13/6	34/-	6/9	8/9	10/3	13/6	16/6	22/-	...
2564. " White and Gold	...	...	4/-	6/-	6/-	8/9	10/9	14/6	37/-	7/6	9/-	11/-	14/6	17/-	24/-	...
2565. Galvanized	...	...	4/9	6/3	6/3	9/6	12/6	17/-	39/-	6/9	10/-	10/9	13/9	18/6	25/-	...
2566. Fitted with Hit and Miss Fronts, complete	...	...	5/9	8/-	8/6	11/6	14/9	20/-	...	...	...	...	...	...	...	...
2567. For Curved Trays to prevent noise	...	...	2/6	3/6	3/6	4/6	5/3	7/6	...	2/6	3/6	3/6	4/6	5/3	7/6	...
2568. Fitted with Lacquered Brass Hit and Miss Front, and Guide Pulley for Cords to Open and Close	...	...	...	...	...	...	...	...	...	12/-	15/-	16/-	20/-	...	...	...

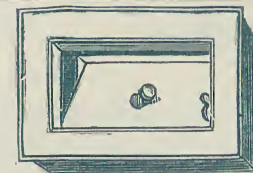


No. 2569.

Sherington's Ventilator (Inlet).

No.	Box	...	11 1/2 x 5 1/2	11 x 8 3/4	10 3/4 x 10 3/4	16 x 8 1/2	in.
	...	...	9x3	9x6	9x9	13 1/2 x 6	...
2569. Plain-Front	...	...	4/6	6/-	8/-	8/6	...
2570. Painted Bronze	...	...	5/-	6/6	8/6	9/-	...
2571. Japanned Bronze	...	...	5/6	7/6	9/6	9/3	...
2572. White and Gold	...	...	6/6	9/6	12/6	12/6	...
2573. Galvanized	...	...	7/-	9/-	11/6	11/6	...

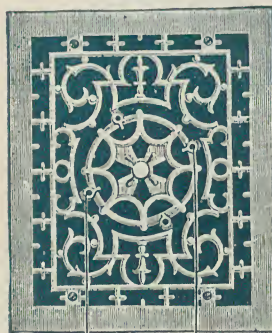
Prices include Balance Weight.



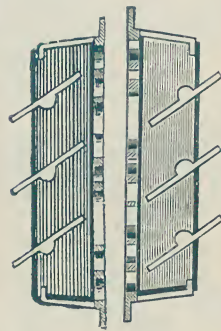
No. 2574.

Arnott's Ventilators.

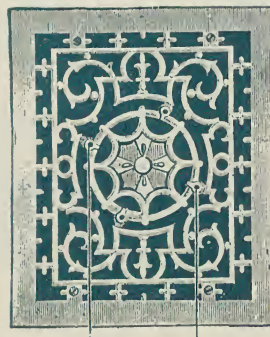
No.	Box	...	9 1/4 x 3 1/2	11 x 8	16 x 9 1/2	in.
	...	...	8 3/4 x 3 3/8	9 x 6	13 3/4 x 8	...
2574. Plain Iron	...	...	6/-	7/6	11/6	ea.
2575. Galvanized	...	...	10/6	16/-	...	...
2576. { Japanned Bronze }	...	...	10/6	15/-	...	...
2577. { Ditto, with Brass Trelis Front }	...	...	9/6	24/-	43/-	...



No. 2580.



Section as Inlet. Section as Outlet.



SHUT

Improved Louvre Ventilators (Inlet or Outlet).

The Revolving Centre in patterns show at a glance the position of Valves, whether Open or Closed.

	Size of Front	10 x 8	12 x 10	14 x 12	18 x 12 in.	
	" " Box	8 x 6	10 x 8	12 x 10	16 x 10	"
<b>No. 2580.</b>	Japanned Black ...	<b>6/6</b>	<b>8/6</b>	<b>12/3</b>	<b>16/6</b>	each.
" <b>2581.</b>	Ditto, Gold Bronze	<b>8/6</b>	<b>11/-</b>	<b>15/6</b>	<b>21/-</b>	"

No. 2586.

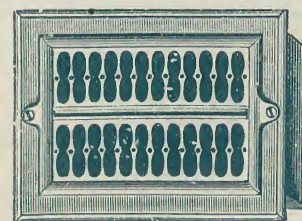
Cast Iron Ventilators.



Bronzed and Relieved.

Length	4	6	9	10 1/2	12	18	in.
3-in. wide	-7	-9	1/-	-	1/6	-	each.
3 1/2-in. "	-	-11	1/2	1/6	1/8	-	...
4 " "	-	-	1/4	-	2/-	-	...
6 " "	-	-	2/2	-	2/9	4/6	...
9 " "	-	-	-	-	4/3	-	...
12 " "	-	-	-	-	4/9	-	...

These can be had with lever arm for Cord at 1/- each extra.



No. 2582.

Silk Flap Ventilators.

These Ventilators are quite Silent in action, but are not recommended for Smoke Flues or Chimney Breasts. Especially suitable for Hospitals, Sick Rooms, etc.

No.	Box	...	11 x 5 1/2	11 x 8 1/2	11 x 11 1/2	15 x 11 1/2	in.
	...	...	9x3	9x6	9x9	13 1/4 x 9	...
2582. Plain Iron	...	...	4/6	7/6	9/-	12/-	each.
2583. Japanned Bronze	...	...	5/6	9/-	12/-	15/-	...
2584. Ditto, with Brass Fronts	...	...	11/6	20/-	30/-	45/-	...

No. 2587.

Ventilators.

As No. 2586, but Grating only.

Sizes 6x3 9x3 10 1/2 x 3 1/2 9x6 12x6 in.

Price -/6 -/9 1/- 1/4 1/9 ea.



## VENTILATORS.



No. 2590.

### Fresh Air Inlet Tubes or Brackets.

For the Admission of Fresh Air Without Draught.

Fitted with Valve and Dust Interceptor, also with Deflector Guard, to protect walls from discoloration.

Sizes 6 x 3 8 x 3 9 x 4 10 x 4½ 11 x 5 in.

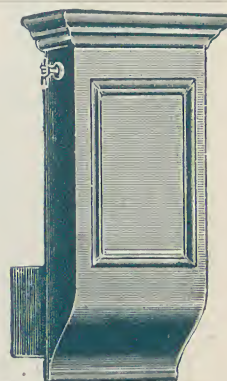
No. 2590. Brackets any length up to 24 in., plain 15/6 17/- 20/- 24/- 27/- each.

„ 2591. Ditto ditto ornamental 18/- 20/- 23/- 29/- 33/- „

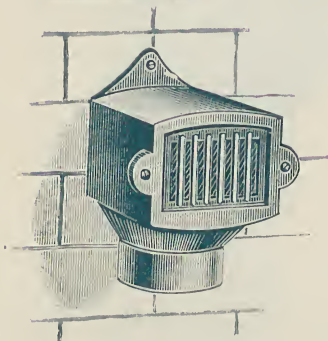
„ 2592. Long Inlet Tubes, 5 ft. 6 in. high, in two sections.

Section 9 x 4 in. ... Price 32/- each.

Other sections or different lengths made to order.



No. 2591.



Vertical Pattern.

No. 2593.

### Mica Flap Inlet Ventilators.

No. 2593. Galvanized Body, Brass Front.

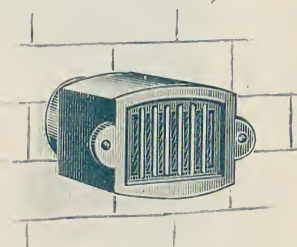
Sizes 3½ 4 6 in.

Price 3/6 3/6 10/- each.

No. 2594. Galvanized Body, Brass Front.

Sizes 3 3½ 4 in.

Price 4/3 4/3 4/3 each.



Horizontal Pattern.



Reg'd

No. 2596.

### Boyle's Latest Patent "Air Pump" Ventilators.

Manufactured by Robert Boyle & Sons, Limited.

Carriage paid to any Railway Station in the United Kingdom.

Diameter of Head.	Diameter of Pipe.	Diameter of Pipe Recommended.	Each.	Inside Measurement of Base, in. in.
12 in. ...	4 to 8 in. ...	6 in. ...	37/6	12 x 12
14 „ ...	5 „ 9 „ ...	7 „ ...	45/-	14 x 14
16 „ ...	6 „ 10 „ ...	8 „ ...	63/-	16 x 16
18 „ ...	7 „ 11 „ ...	9 „ ...	83/-	18 x 18
20 „ ...	8 „ 12 „ ...	10 „ ...	105/-	20 x 20
24 „ ...	10 „ 14 „ ...	12 „ ...	136/-	24 x 24
27 „ ...	11 „ 16 „ ...	14 „ ...	157/6	27 x 27
30 „ ...	12 „ 18 „ ...	15 „ ...	195/-	30 x 30
36 „ ...	15 „ 21 „ ...	18 „ ...	264/-	36 x 36
42 „ ...	17 „ 24 „ ...	21 „ ...	355/-	42 x 42
48 „ ...	20 „ 28 „ ...	24 „ ...	449/-	48 x 48
54 „ ...	24 „ 32 „ ...	28 „ ...	570/-	54 x 54

Made Fireproof to fit over Sunburners, etc., 10 per cent. extra.



No. 2597.

For Fitting over External Pipes.

Same sizes and prices as No. 2596.

No. 2598.

### Boyle's Patent "Air Pump" Ventilator.

For Soil Pipes, Drains, and Sewers.

Diameter of Head.	Diameter of Pipe.	Price.
6 in. ...	2 to 3 in. ...	14/3
8 „ ...	3 „ 4 „ ...	20/6
10 „ ...	4 „ 5 „ ...	26/6
12 „ ...	5 „ 6 „ ...	34/-
14 „ ...	6 „ 7 „ ...	45/6
16 „ ...	7 „ 8 „ ...	63/-
18 „ ...	8 „ 9 „ ...	83/-
20 „ ...	9 „ 10 „ ...	105/-



No. 2599.

### Boyle's Patent "Air Pump" Ventilator.

For Soil Pipes, Stables, Factories, etc.

Cheap Form.

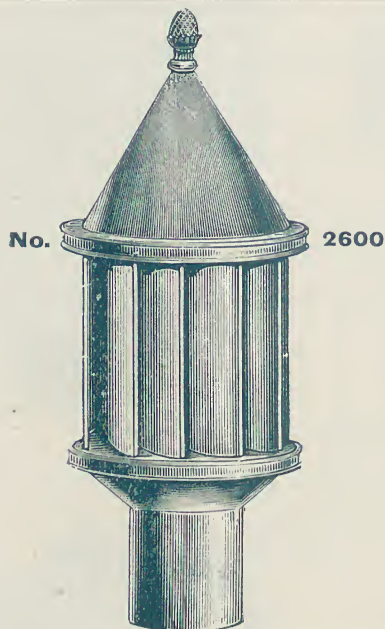
Diameter of Head.	Diameter of Pipe.	Price.
4 in. ...	2 in. ...	8/3
6 „ ...	3 „ ...	11/3
8 „ ...	4 „ ...	15/9
10 „ ...	5 „ ...	19/-
12 „ ...	6 „ ...	23/6



Bronze Medal, 1884.—Gold Medal, 1890.

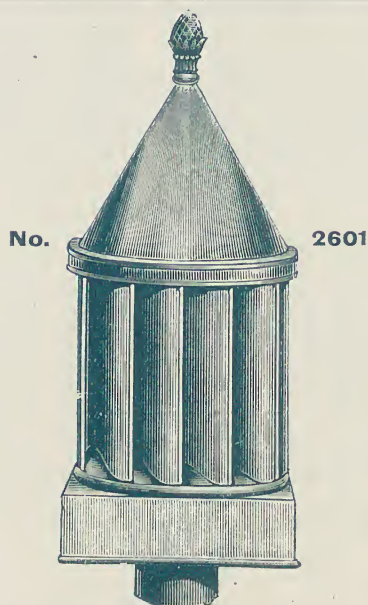


## THE "VORTEX" VENTILATOR.



No. 2600

With Round Base.

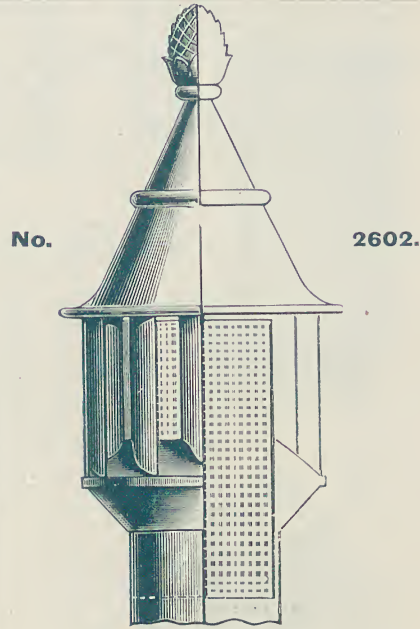


No. 2601

With Square Base.

## PRICES.

Outside Diameter.	Diameter of Pipe.	Prices of Fig. 2600 in Zinc japanned.			Prices of Fig. 2601 in Zinc japanned.			Extra for Perforated Drum, as Fig.		
		£	s.	d.	£	s.	d.	£	s.	d.
12	6	1	7	6	1	12	0	0	4	0
18	9	2	7	6	2	15	0	0	6	6
24	12	4	0	0	4	7	6	0	10	6
30	15	5	7	6	5	17	6	0	14	0
36	18	6	17	0	7	10	0	1	0	0
42	21	8	15	0	9	10	0	1	7	6



No. 2602.

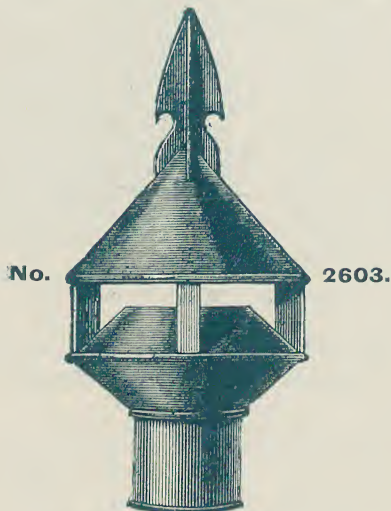
Section.

When ordering, the diameter of the Ventilator itself, as given in the first column, should first be stated; and, secondly, the diameter of pipe, which may be varied to suit special positions, but should never be greater than half the diameter of the Ventilator.

The above can be had in Copper at proportionate prices.

## STEVENS' EXHAUST VENTILATORS.

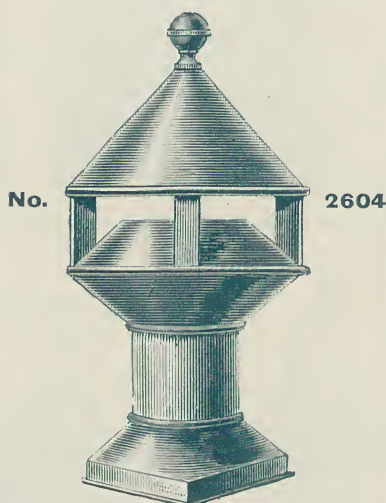
This Ventilator is a perfect apparatus for extraction of vitiated air from Buildings or Ships, Soil Pipes and Sewers. There is no mechanism to get out of order or create noise. The power can be increased to any extent by making the vacuum chamber larger in proportion to shaft.



No. 2603.

Galvanized.

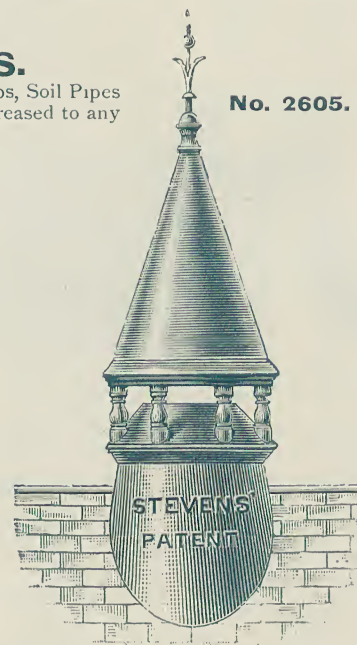
2-in. Shaft,	6-in. Cone	...	...	...
3	8	...	...	3/-
4	10	...	...	5/6
6	13	...	...	8/-
8	17	...	...	12/6
10	20	...	...	24/-
12	24	...	...	30/-
15	27	...	...	35/6
18	30	...	...	54/-
		...	...	66/-



No. 2604.

Square Base.

7 1/2-in.	...	...	...	...
10	...	...	...	14/9
12	...	...	...	21/-
15	...	...	...	33/-
18	...	...	...	42/-
22	...	...	...	54/-
				66/-



No. 2605.

STEVENS' PATENT

Ornamental.	£	s.	d.
12-in. Shaft, 24-in. Cone	11	17	6
15 " 27 "	14	0	0
18 " 30 "	16	17	6
21 " 34 "	21	0	0
24 " 40 "	25	10	0
30 " 48 "	32	0	0

In ordering these Ventilators the pitch of roof must be given.

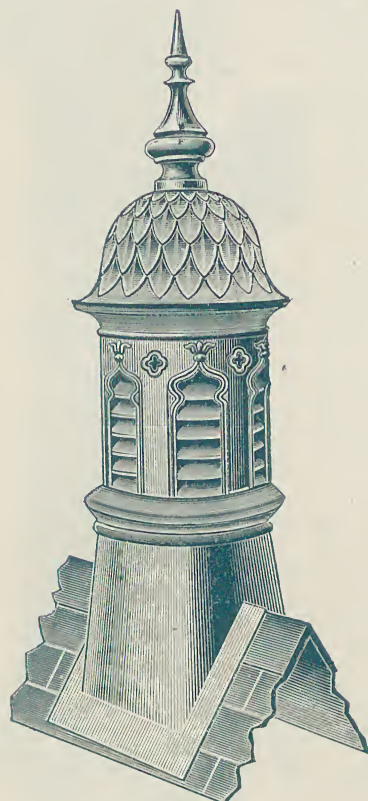
Awards for Excellence of Machines and Tools:



## VENTILATORS.

### The Copper "Crown" Ventilator

Is supplied to order of any required dimensions, but is kept in stock only made of Copper, and only in the five sizes described below. Either of these stock sizes may be supplied in Zinc at very short notice.



No. 2607.

#### Size 1.

Outside diameter, 12 in. For Pipes up to 6 in. diameter.

Price in Copper ... £3 5 6

Supplied to order, made of Zinc... £2 0 0

#### Size 2.

Outside diameter, 18½ in. For Pipes up to 9 in. diameter.

Price in Copper ... £5 16 0

Supplied to order, made of Zinc... £3 10 0

#### Size 3.

Outside diameter, 25 in. For Pipes up to 12 in. diameter.

Price in Copper ... £10 16 0

Supplied to order, made of Zinc... £6 10 0

#### Size 4.

Outside diameter, 31 in. For Pipes up to 15 in. diameter.

Price in Copper ... £17 10 0

Supplied to order, made of Zinc... £10 15 0

#### Size 5.

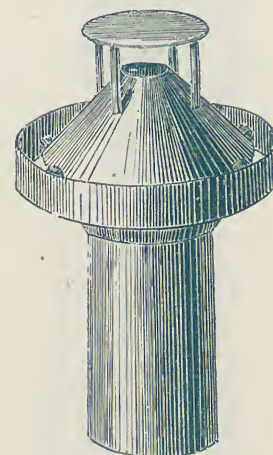
Outside diameter, 37½ in. For Pipes up to 18 in. diameter.

Price in Copper ... £25 16 0

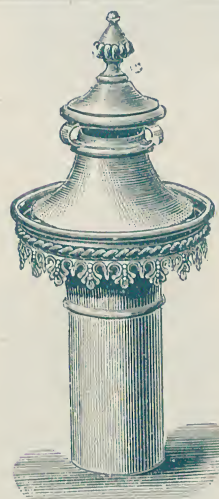
Supplied to order, made of Zinc... £15 10 0

### The "Prince" Soil Pipe Ventilator.

This Ventilator is specially adapted for tops of pipes and small outlets.



No. 2608. Plain.



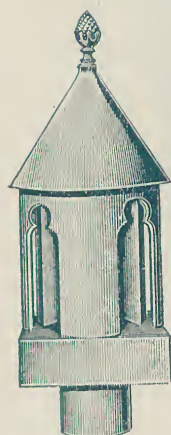
No. 2609. Ornamental.

### The "Standard" Ventilator.

(Registered.)

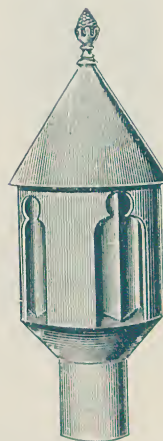
Made of stout Copper, and kept in stock in this material. We also supply the same pattern to order at short notice made of stout Zinc or Galvanized Iron.

PRICE, EACH—



No. 2610.

Outside Diam.	Diam. of Pipes.	Copper.		Copper.		Stout Zinc.		Stout Zinc.		Galvanized Iron Painted.
		No. 2610.	No. 2610.	No. 2610.	No. 2610.	No. 2611.	No. 2611.	No. 2611.	No. 2611.	No. 2611.
		Round Base.	Square Base.	Round Base.	Square Base.	Round Base.	Square Base.	Round Base.	Square Base.	Round or Square Base.
In.	In.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
6	3	0 19 6	1 3 6	0 13 3	—	—	—	—	—	0 16 6
8	4	1 6 0	1 12 6	0 16 0	—	—	—	—	—	1 0 0
12	6	2 8 6	2 14 6	1 6 0	1 11 6	1 12 9	—	—	—	—
16	8	3 8 0	4 10 0	1 17 0	2 3 6	2 6 0	—	—	—	—
18	9	4 14 0	5 12 6	2 6 0	2 15 0	3 5 0	—	—	—	—
20	10	6 2 6	7 2 6	2 15 0	3 4 6	4 11 6	—	—	—	—
24	12	8 8 0	9 15 0	3 18 0	4 11 6	5 14 0	—	—	—	—
30	15	12 5 0	13 17 6	5 12 0	6 10 0	7 16 0	—	—	—	—
36	18	16 15 0	19 7 6	7 15 0	9 2 6	11 7 6	—	—	—	—



No. 2611.

#### PRICES.

#### No. 2608. Plain Pattern.

Zinc. For pipes

2 3 4 5 6 in.

4/9 5/6 6/9 8/- 9/6

Galvanized Iron. For pipes

2 3 4 5 6 in.

6/9 8/- 9/6 11/- 12/-

Copper. For pipes

2 3 4 5 6 in.

11/- 13/6 16/- 20/- 24/-

No. 2609. Ornamental.

For 2 3 4 in. pipes

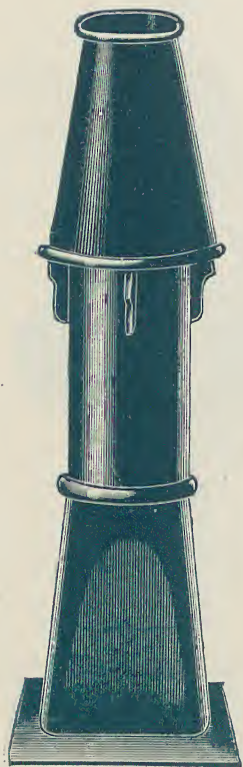
Zinc 11/6 16/- 23/6

Copper 16/6 24/- 33/6 each.



## TALL BOYS, AND CHIMNEY COWLS.

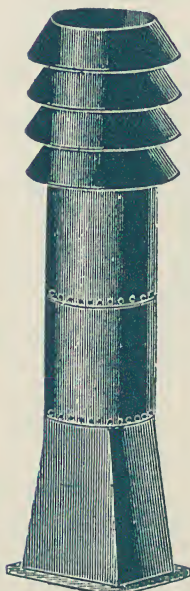
No. 2612.

**Sugar Loaf Flue.**

6 ft. high. Base 12 x 9 in.

**No. 2612.** Zinc.Light. Strong.  
13/- 16/- each.**No. 2613.** Galvanized Iron.Light. Strong. Extra Strong.  
13/- 15/- 18/6 each.

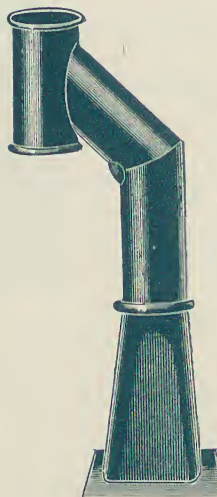
No. 2614.

**"Louvre" Top Flue.**

6 ft. high. Base 12 x 9 in.

**No. 2614.** Zinc.Light. Strong.  
13/- 16/- each.**No. 2615.** Galvanized Iron.Light Strong. Extra Strong.  
12/- 14/- 17/- each.

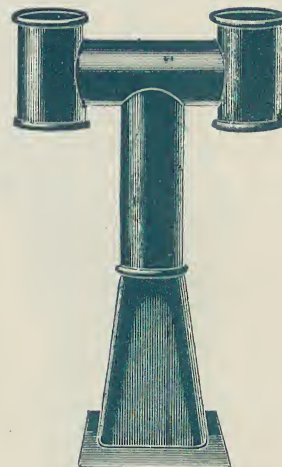
No. 2616.

**Double Tee Flue.**

6 ft. high. Base 12 x 9 in.

**No. 2616.** Zinc.Strong.  
13/6 each.**No. 2617.** Galvanized Iron.Light. Strong. Extra Strong.  
11/- 13/6 17/- each.

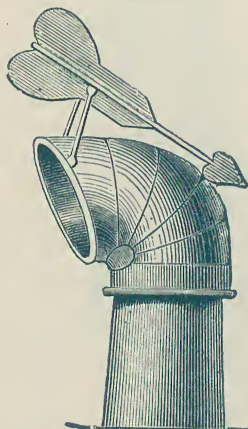
No. 2618.

**Elbow Tee Flue.**

6 ft. high. Base 12 x 9 in.

**No. 2618.** Zinc.Strong.  
30/- each.**No. 2619.** Galvanized Iron.Strong. Extra Strong.  
27/6 35/- each.

No. 2620.

**Lobster Back Cowl.****No. 2620.**

Zinc ... 9-in. 7/6 11/-

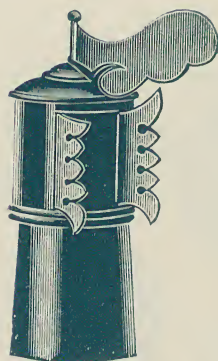
**No. 2621.**

Galvanized Iron, 9-in. 7/6 10/-

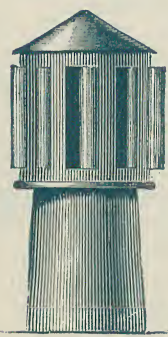
**No. 2622.**

Galvanized Iron, 10-in. 8/- 11/-

No. 2623.

**"Brighton" Cowl.**Zinc ... Ordinary. Strong.  
10/- 13/-

No. 2624.

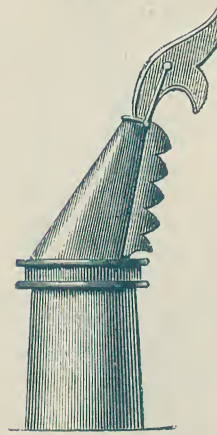
**Grinder Cowl.****No. 2624.**

Zinc ... 10/- each.

**No. 2625.**

Galvanized Iron ... 8/- each.

No. 2627.

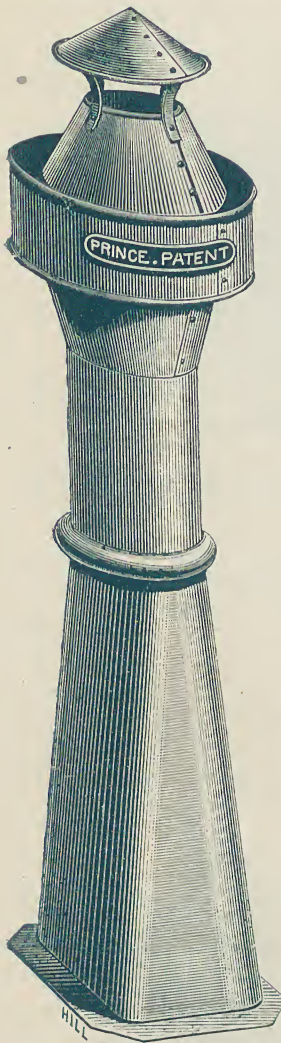
**Malthouse Cowl.****No. 2627.**Zinc ... Ordinary. Strong.  
9-in. 6/6 10/-**No. 2628.**Galvanized Iron, 9-in. 6/6 8/-  
" 10-in. 8/- 10/-

We shall be pleased to quote against Specifications for any special kind of Chimney Pots, Cowls, Smoke Curves, etc., in Zinc, Galvanized Steel, or Copper.

Awards for Excellence of Machines and Tools :



## CHIMNEY POTS, SMOKE CURES, AND TALL BOYS.



### "Prince" Chimney Pot.

For preventing down-blow.

No. 2630.

Some of the advantages possessed by this successful chimney pot:—

The arrangement of the cones is such that it is impossible to blow down the tube with a bellows placed in any position outside the top.

At the same time there is no obstruction whatever to prevent the sweep's broom clearing the whole way through.

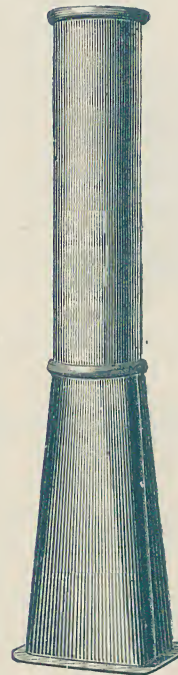
It is made oval, in order to give the utmost space for the smoke to escape without making the heads too wide to stand side by side on the stack.

It is fire-proof. The steel plate is riveted, and the whole galvanized after manufacture. Being made of stout material it will last for many years.

The appearance is less unsightly than most of the chimney pots in use.

Price 43/- each.

No. 2631.



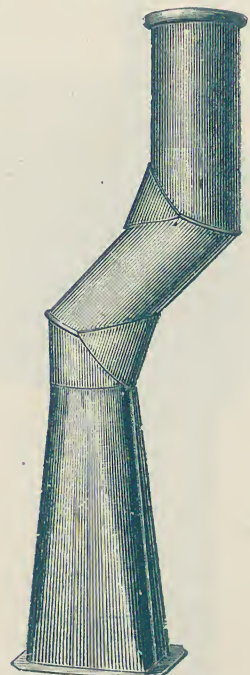
### Straight Tall Boy.

6 ft. high, base 12 x 9 in.

No. 2631.	Light.	Strong.
Zinc ...	8/-	12/-
No. 2632.		
Galvanized Iron	9/-	12/-

each.

No. 2633.



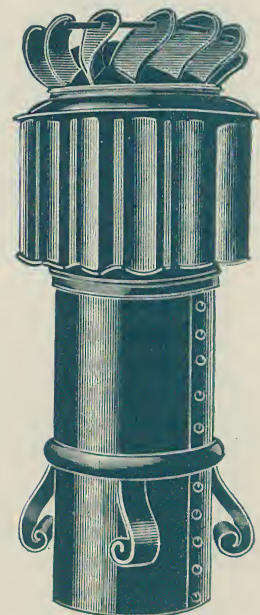
### Elbow Tall Boy.

6 ft. high, base 12 x 9 in.

No. 2633.	Light.	Strong.
Zinc ...	11/-	14/-
No. 2634.		
Galvanized Iron	13/-	15/-

each.

### "Excelsior" Smoke Cure. No. 2635.



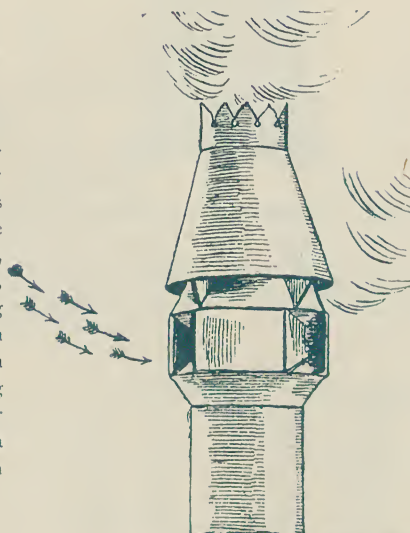
Strong Galvanized Iron.

No. 2635.	Price 72/- each.
No. 2636.	6 ft. high, 14 x 9 in. base. Price 84/- each.

### Perry's Patent "Certainty" Smoke Cure. No. 2637.

Instantaneous and Permanent  
Cure Guaranteed.

It is well known that all systems of ventilation at present in use are practically failures, on account of draughts created by the air-inlets. The "Certainty" Cowl acts slowly, quietly, and imperceptibly, but most effectually, keeping the room at all times, both in winter and summer, free from vitiated air, and preventing the too familiar close, sooty smell which arises from a stagnant chimney or a down draught.



Up and Down Draught  
Completely Controlled.

PRICES.

No. 2637.

Strong Galvanized Iron, without base, to slip into chimney pots.

24/- each.

No. 2638.

Ditto, with square or rectangular base. Height, 4 ft.

28/6 each.

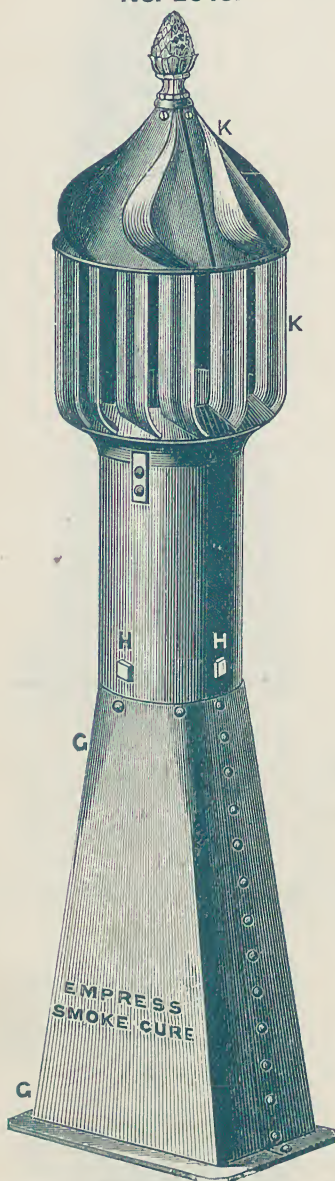
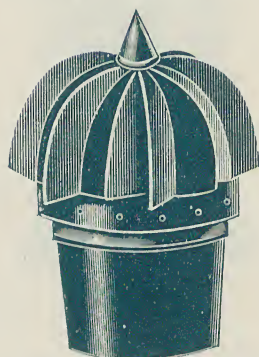
No. 2639.

Terra Cotta or Fire Clay, with round base. Height, 3 ft. 6 in.

28/6 each.

Bronze Medal, 1884.—Gold Medal, 1890.



**"EMPRESS" SMOKE CURE, ARCHIMEDEAN VENTILATORS, Etc.****No. 2640.****No. 2647.**

**The "Helmet" Cowl.**  
In strong Galvanized Steel.  
Price 9/- each.

**THE "EMPRESS" SMOKE CURE.**

Has removable head, which revolves easily in any wind, and so maintains a constant motion of air in the tube, and steadies the current by gathering up and gradually distributing the force of sudden gusts of wind, instead of allowing them to act directly on the draught.

The Fans, which must be light, and are constantly in motion, are made of steel, well tinned to prevent rust, and japanned over the tin. The other parts are made of stout galvanized iron, japanned black. The parts are riveted together, and the whole is fireproof. Packing Case extra. Carriage forward.

**No. 2640.** For Ordinary Chimneys.

Tube 10 in. diameter, base (with flange for brickwork) 14 in. x 9 in., revolving head 16 in. diameter outside fans; total height, 6 ft. 6 in.

Price 66/- each.

Bases of different sizes, 9 in. x 9 in., or 9 in. by 12 in., etc., can be supplied to order. If base not supplied, the price is 8/- less.

**No. 2641.** For Kitchen Chimneys.

Tube 12 in. diameter, base 14 in. x 12 in., revolving head 21 in. diameter outside fan; total height, 7 ft.

Price 81/- each. If without base, 12/6 less.

**No. 2642.** For Small Chimneys.

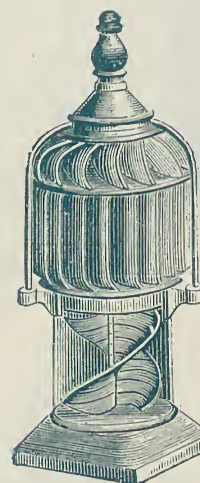
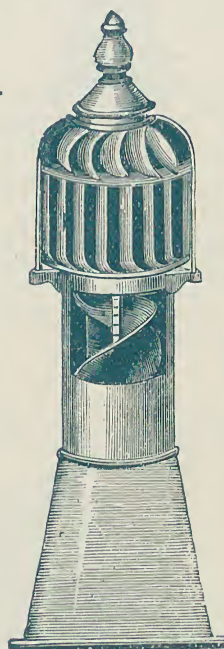
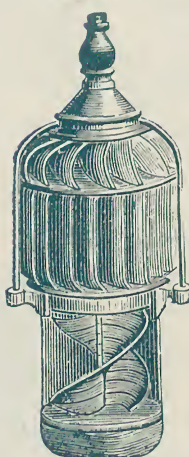
Tube 8 in. diameter, base 14 in. x 9 in. diameter, revolving head 13 in. diameter outside fan; total height, 5 ft.

Price 56/- each. If without base, 10/- less.

**No. 2643.** For Gas Fires.

Tube 6 in. diameter, base 9 in. x 9 in., revolving head 12 in. diameter outside fans; total height, 5 ft.

Price 47/- each. If without base, 9/6 less.

**ARCHIMEDEAN VENTILATORS.****No.****2645.****No. 2646.****No. 2644.****No. 2644.** With Round Base.

6-in. diam...	22/-	14-in. diam...	50/-
8 " "	26/-	16 " "	63/-
9 " "	28/-	18 " "	80/-
10 " "	33/-	20 " "	88/-
11 " "	37/-	22 " "	97/-
12 " "	40/-	24 " "	108/-

**No. 2646.** With Square Base.

6-in. diam...	25/-	16-in. diam...	70/-
8 " "	28/-	18 " "	85/-
9 " "	30/-	20 " "	95/-
10 " "	35/-	22 " "	105/-
12 " "	45/-	24 " "	120/-
14 " "	55/-	30 " "	180/-

**No. 2645. ARCHIMEDEAN VENTILATOR,** for Curing Smoky Chimneys.

For Small Fireplaces	9-in. diam., 3 ft. high	35/-
	10 " " 3 " "	37/6
	10 " " 3 ft. 6 in. high	42/6
For Bedroom Fireplaces	11 " " 3 " 6 "	50/-
	11 " " 4 " high	52/6

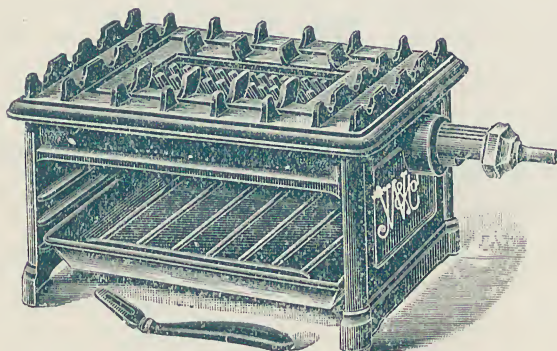
For Dining-room Fireplaces	12-in. diam., 3 ft. high	50/-
	12 " " 3 ft. 6 in. high	55/-
	12 " " 4 " high	60/-
For Kitchen Fireplaces	14 " " 3 " "	55/-
	14 " " 4 " "	63/-

**Awards for Excellence of Machines and Tools :**



## GAS GRILLERS AND COOKERS.

No. 2650.

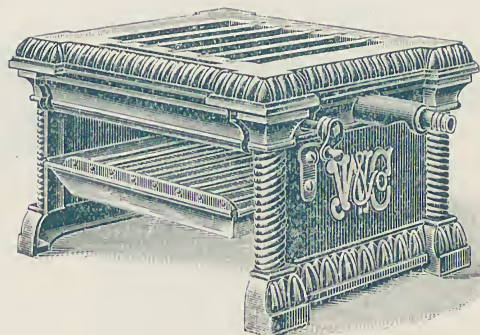


Made entirely of Cast Iron and fitted with powerful Burner. Will cook two chops and boil a kettle at the same time.

Connections Handled.

	Outside Dimensions.			Price complete with Pan and Grid.
	Wide.	Depth.	Height.	
No. 2650.	12 in.	9 in.	7 in.	8/9 each.
" 2651.	14 in.	10 in.	9 in.	12/- "

No. 2652.

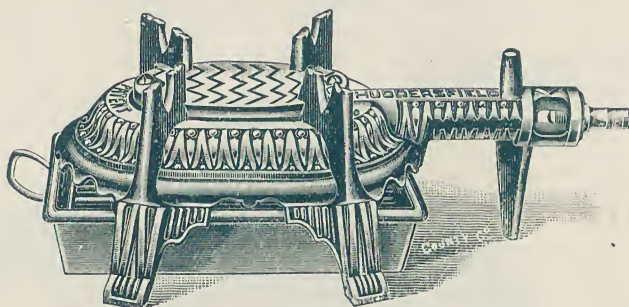


Finished in very best style, it is fitted with mechanical adjustments so that Grill can be altered to Hot Plate, or adjusted for Boiling, as desired.

Wide.	Depth.	Height.
Size ... 11½ in.	10 in.	8½ in.
Price 12/- each.		

### Patent Reversible Breakfast Cooker.

Will Grill a Chop or Toast Bread and Boil Water at the same time.  
When turned over, the flame comes directly in contact with the bottom of the pan for boiling purposes.

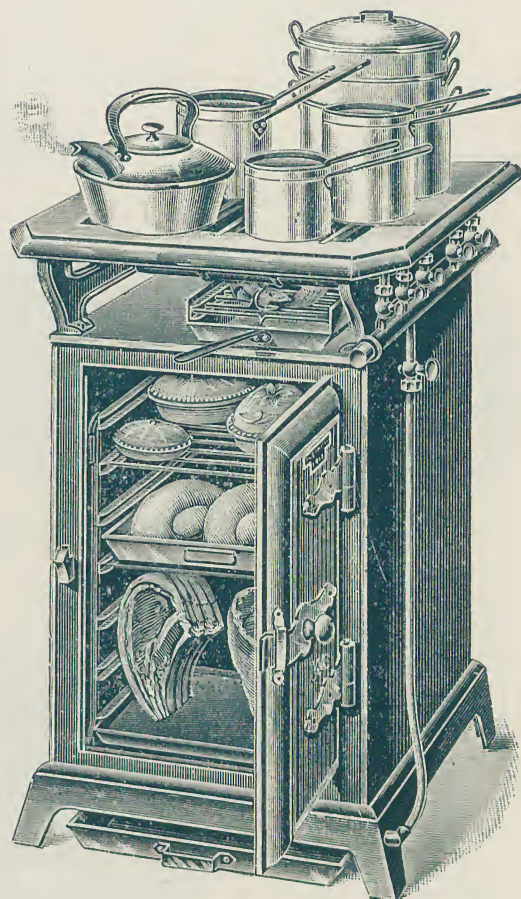


No. 2653. Size ... 13 × 6¾ × 4½ in. deep.

" 2654. " ... 13½ × 8½ × 4¾ " "

No. 2653.	Price—complete with Pan and Grid	...	...	4/6 each.
" 2654.	" " " " " "	...	...	5/6 "
" 2653.	" Without Pan and Grid	...	...	3/9 "

No. 2655.



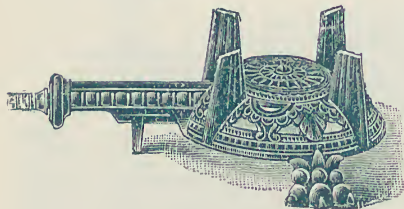
### Sizes and Prices of Enamelled Steel Gas Cooker, No. 2655.

Number.	Inside Dimensions of Roaster.			Hot Plate.		Height over all of FIXED BURNER Cooker.	Height over all of LOOSE BURNER Cooker.	No. of Burners on Hot Plate.	Suitable for family of	Price with Enamelled interior and either cast or Enamelled exterior.	Fixed White En'd Crown Plate extra.
	Height.	Width.	Depth.	Width.	Depth.						
1	in.	in.	in.	in.	in.	in.	in.	2	2	87/9	3/6
2	19	11	11	18	17	30	—	3	4	119/-	3/6
3	22	12	12	20	16½	34½	34	4	6	133/-	4/-
4	24	13	13½	21	20	37¾	36	5	9	163/-	4/-
5	25	14½	14½	24	21½	37¾	37	5	12	193/-	4/6
6	28	16	15	25	23½	38¾	38	6	15	223/-	5/6
7	28	17½	16	27	25	38¾	38	6	18	251/-	5/6
8	28	17½	19½	28	28	38¾	38	7	25	340/-	6/6
9	30½	20½	19½	31	28	41¼	40				

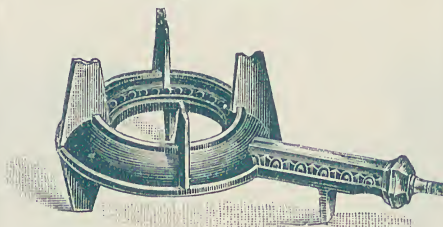
Patent Enamelled Steel Gas Cooker.

Bronze Medal, 1884.—Gold Medal, 1890.

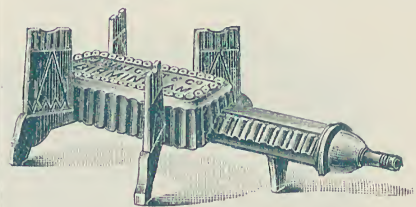


**GAS BOILING RINGS, Etc.****No. 2656.**

4½ in. diameter- Price **1/4** each.

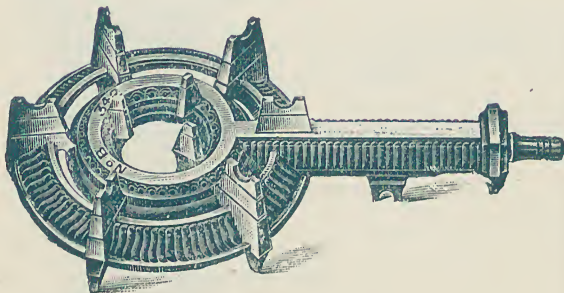
**No. 2657.**

5 in.	Cast in one piece	... <b>1/4</b> each.
6 in.	" "	... <b>2/-</b> "

**No. 2658.**

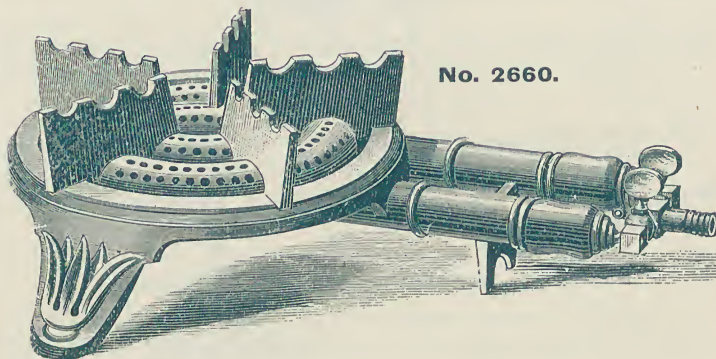
Cast all in one piece.

10 in. long	× 5 in. wide	... <b>2/6</b> each.
11½ in.	" × 6 in. "	... <b>2/9</b> "
12½ in.	" × 6½ in. "	... <b>4/9</b> "

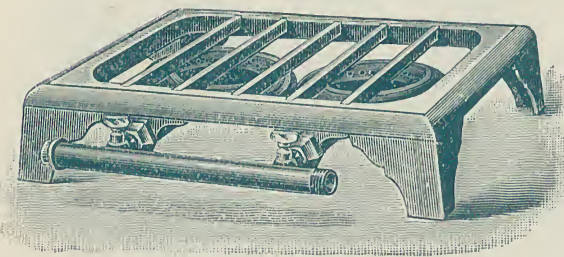
**No. 2659.**

Cast all in one piece.

	5½	7	9 in. diameter.
Price	<b>2/6</b>	<b>3/4</b>	<b>4/9</b> each.

**No. 2660.**

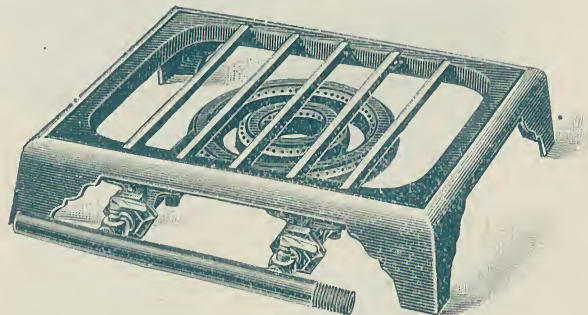
12 in. diameter, double burner, price **9/9** each.

**GAS HOT PLATES.****No. 2661.**

**Strong Hot Plate**, with 2 Ring Burners, with

Tap to each.

Size, 15 in. × 12½ in., **15/-** each.

**No. 2662.**

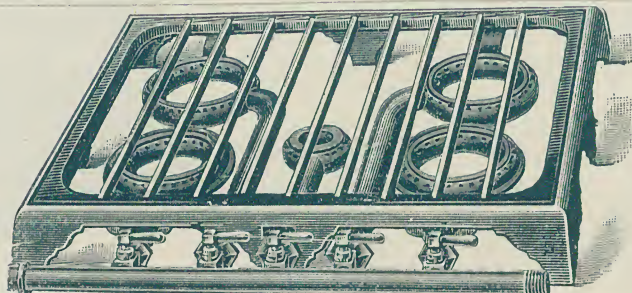
**Strong Hot Plate**, fitted with Concentric Burners, each of which is controlled by a separate Tap, so that either burner may be lighted separately, or both at the same time.

Size, 15 in. × 12 in. Price **19/-** each.

These **Hot Plates** are specially strong, with straight Steel Bars on Top, and are practically unbreakable.

They have Polished Bars and Mouldings.

Larger sizes to order.

**No. 2663.**

Fitted with 5 Ring Burners.

Size :

23¼ in. wide × 18 in. deep.

Price **41/-** each.

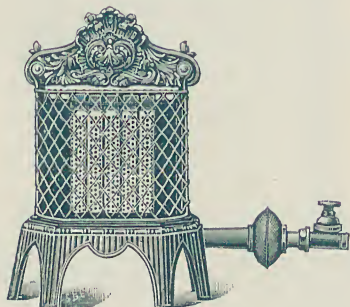
**Awards for Excellence of Machines and Tools :**



## PATENT "WELSBACH-KERN" GAS RADIATING STOVES.

THE NEW "WELSBACH-KERN" GAS RADIATORS constitute a great advance in the utilisation of gas for heating purposes, and are constructed upon the principle embodied in the well-known "Kern" Lighting Burner, *i.e.*, mixture with the gas of the amount of air sufficient to ensure complete combustion. The importance of this feature is evident, as gas burning with an insufficient admixture of air gives off injurious products, which make the atmosphere of a room unpleasant and injurious to health. The mixture of air and gas burns in a perforated clay tube, and the heat so generated is projected into the room by RADIATION. By reason of the perfect combustion obtained by this system, the by-products are non-injurious to health, but it is nevertheless preferable to carry off these by-products by connecting the stoves with flues in the usual way, thus keeping the atmosphere of the room fresh and pure.

No. 2666.



Height, 13 in. Width, 14½ in. Five small Tubes.

Fitted with Frieze and arrangement for Trivet, so that Food or Water may be Heated.

Price complete, in Dead Art Black ... at **22/-** each.

" " Enamelled Colours ... at **25/-** "

The Reflector and Base Plate Enamelled White,

Union for ¼-in. Barrel connection

Consumption of Gas about 10 ft. an hour.

Trivets, Dead Black, at **-/8** each. Enamelled, at **1/-** each extra.

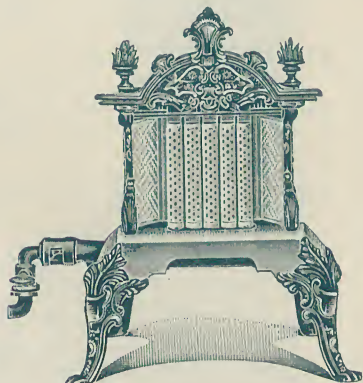
Platforms " " at **2/-** " " at **2/8** " "

Fire Guards ... at **-/11** " "

Fire Clay Tubes (for replacements) ... at **6/-** dozen "

This Stove can be had with a Special Platform to fit any Fire Grate at prices as above.

No. 2668.



Height, 16 in. Width, 16 in. Five small Tubes.

Price complete, in Dead Art Black ... at **28/6** each.

" " Enamelled Colours ... at **33/-** "

Consumption of Gas at ordinary pressure about 10 ft. per hour.

Reflector and Base Plate White Enamel.

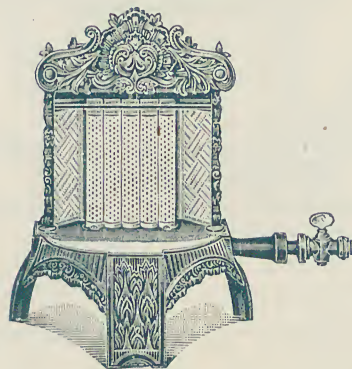
Carter's Valve for ¼-in. Barrel.

Trivets, Dead Black, at **-/8** each. Enamelled, at **1/-** each extra.

Fire Guards ... **1/3** " "

Fire Clay Tubes (for replacements) ... at **6/-** dozen "

No. 2667.



Height, 15½ in. Width 15¼ in. Five small Tubes.

Price complete, in Dead Art Black ... at **28/-** each.

" " Enamelled Colours ... at **32/-** "

Consumption of Gas at ordinary pressure about 10 ft. per hour.

Reflector and Base Plate White Enamel.

Carter's Valve for ¼-in. Barrel connection.

Trivets, Dead Black, at **-/8** each. Enamelled at **1/-** each extra.

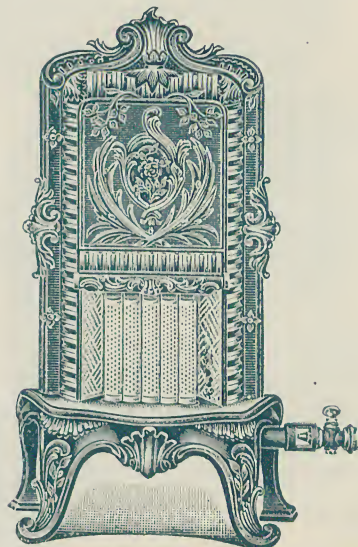
Platforms " " at **3/10** " " at **5/2** " "

Fire Guards ... at **1/1** " "

Fire Clay Tubes (for replacements) ... at **6/-** dozen "

This Radiator can be had to fix into any Fire Grate at prices as above.

No. 2669.



Height, 24½ in. Width, 16½ in. Five small Tubes.

Fitted with Double Case for utilising waste heat.

Reflector and Base Plate Enamelled White.

Price complete, in Dead Art Black ... at **45/-** each.

" " Enamelled Colours ... at **55/-** "

Consumption of Gas at ordinary pressure about 10 ft. per hour.

Fire Guards ... at **1/10** each extra.

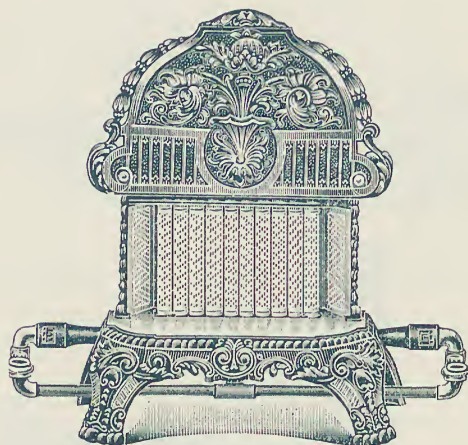
Fire Clay Tubes (for replacements) ... at **6/-** " "

Bronze Medal, 1884.—Gold Medal, 1890.



## PATENT "WELSBACH-KERN" GAS RADIATING STOVES.

No. 2670.



Reflector and Base Plate Enamelled White.

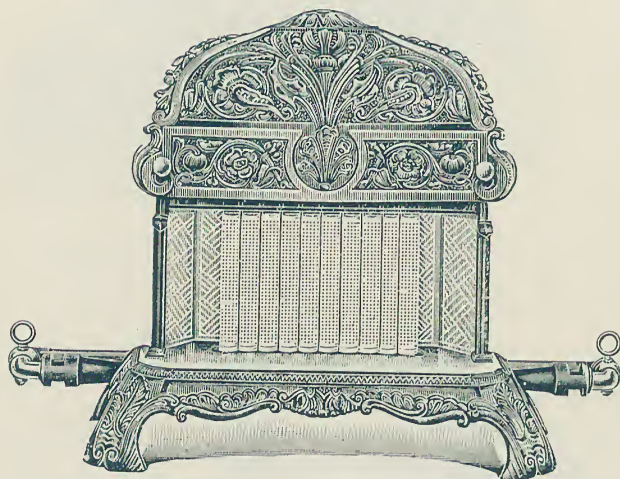
Height, 18½ in. Width, 22 in. Ten small Tubes.

Consumption of Gas at 1-in. pressure, with ten Tubes full on,  
20 ft. per hour; if only five Tubes used, about 10 ft. per hour.  
¾-in. Barrel connection.

Price complete, in Dead Art Black ... .. at **52/-** each.  
 " " Enamelled Colours ... .. at **60/-** "  
 Trivet, Dead Black, -/10 each. Enamelled ... .. **1/2** each extra.  
 Platform, Dead Black, **6/8** " " " **8/4** "  
 Fire Guard ... .. at **1/7** "  
 Fire Clay Tubes (for replacements) ... .. at **6/-** doz. extra.

This Radiator can be had to fix in any Fire Grate, at prices  
as above.

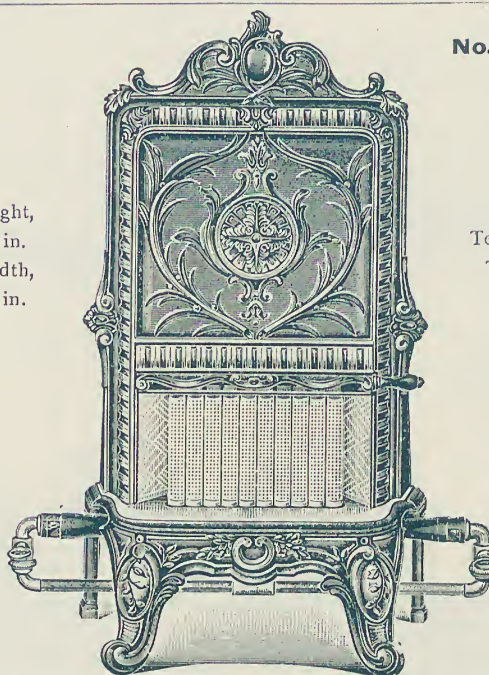
No. 2672.



Height, 21½ in. Width, 31½ in. Ten large Tubes.

Price complete, in Dead Art Black ... .. at **95/-** each.  
 " " Enamelled Colours... .. at **110/-** "  
 Trivets, Dead Black, at **1/10** each. Enamelled, at **2/6** each extra.  
 Platforms, Dead Black, at **10/6** " " " at **13/2** "  
 Fire Guards ... .. at **2/9** "  
 Fire Clay Tubes (for replacements) ... .. at **10/6** doz. extra.

No. 2671.



Height,  
28 in.  
Width,  
22 in.

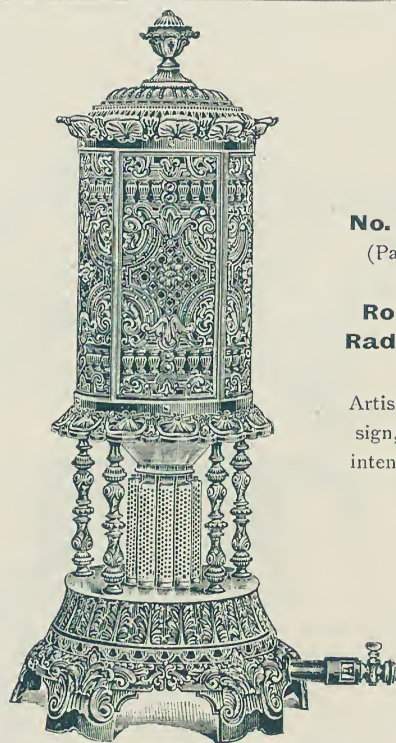
Ten small  
Tubes.

Price complete, in Dead Art Black ... .. at **80/-** each.  
 Enamelled Colours ... .. at **96/-** "  
 Fire Guards ... .. at **2/3** each extra.  
 Fire Clay Tubes (for replacements) ... .. at **6/-** doz. "  
 Consumption of Gas at 1-in. pressure, ten Tubes, 20 ft. per hour.  
 If five Tubes, 10 ft. per hour.

No. 2673.  
(Patent.)Round  
Radiator.

Artistic De-  
sign, giving  
intense heat.

Height,  
32 in.  
Width,  
18 in.  
Ten small  
Tubes.



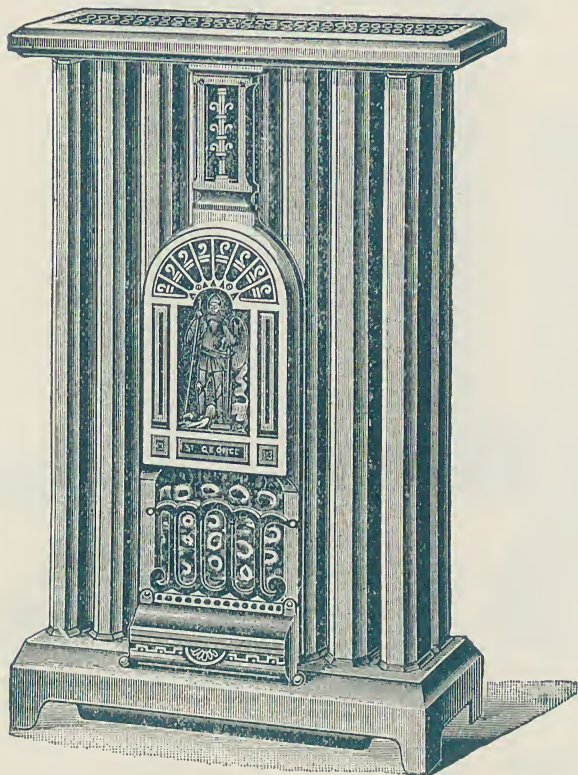
Price complete, in Dead Art Black ... .. at **72/-** each.  
 Enamelled Colours... .. at **80/-** "  
 Fire Guards ... .. at **3/6** each extra.  
 " Clay Tubes (for replacements) ... .. at **6/-** doz. "  
 Platform, Dead Black, at **7/4** each. Enamelled, at **9/2** each extra.  
 Consumption of Gas at 1-in. pressure, about 20 ft. per hour.

Awards for Excellence of Machines and Tools:



## GAS STOVES, TUBING, Etc.

No. 2694.-



**Condensing Gas Stove.**

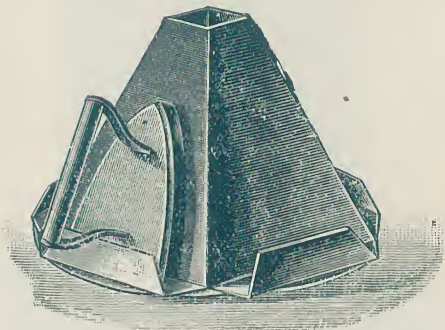
Open Ball Fire. No Flue required. Free from smell. Powerful Heat. Suitable for Churches, Large Halls, Shops, and Business Houses.

No. 1, with 16 tubes. 44 in. high × 23 in. wide × 12 in. deep **£11 15**

" 2, with 20 " 44 " × 28 " × 12 " **14 10**

" 3, with 24 " 44 " × 36 " × 12 " **17 15**

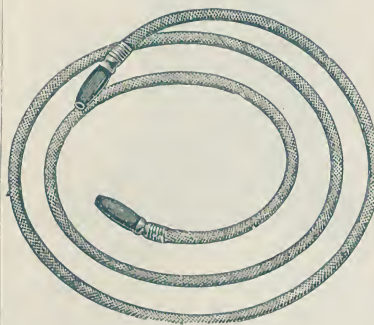
No. 2698.



**Laundry Iron Heater.**

Made of Sheet Iron, to be used on a Gas Boiling Stove. Heats 4 ordinary Irons at once.  
Price **2/-** each.

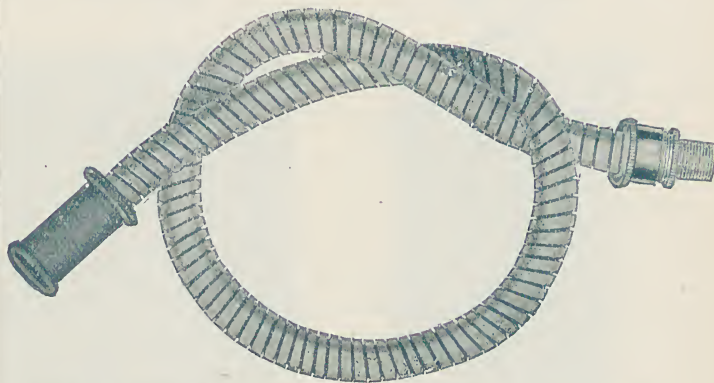
No. 2699.



**Atlantic Gas Tube,**

with India Rubber Ends, in various colours. Made 2 ft. up to 12 ft. lengths.  
Price **-/4** per foot.

No. 2695.



**Patent Flexible Metallic Fireproof Gas Tubing.**

	Sizes	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	in.
No. 2695.	Steel	-/5	-/6	-/7 $\frac{1}{2}$	-/9	1/2	1/5	per foot.
" 2696.	Copper	—	1/3	1/7	2/5	2/9	4/-	"

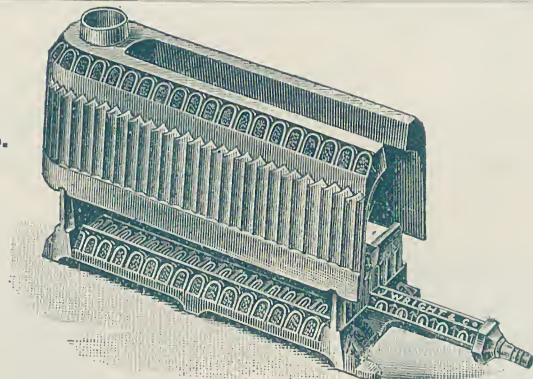
**Connections for above. Rubber Push-ons.**

Sizes	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	in.
Price	-/2	-/2 $\frac{1}{2}$	-/3	-/4 $\frac{1}{2}$	-/8	1/-	each.

**Hexagon and Wing Cap Connections.**

Sizes	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	in.
Price	-/9	-/10*	-/11	1/2	1/6	2/3	each.

No.

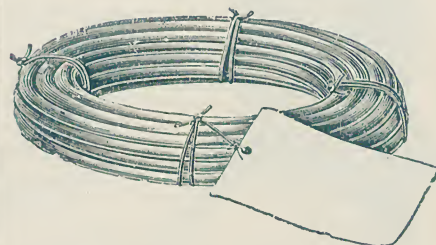


2697.

**Gas Stoves for Heating Tailor's Irons.**

Price, with Cover as drawn, **13/-**. Price, without Cover, **5/-**

No. 2700.



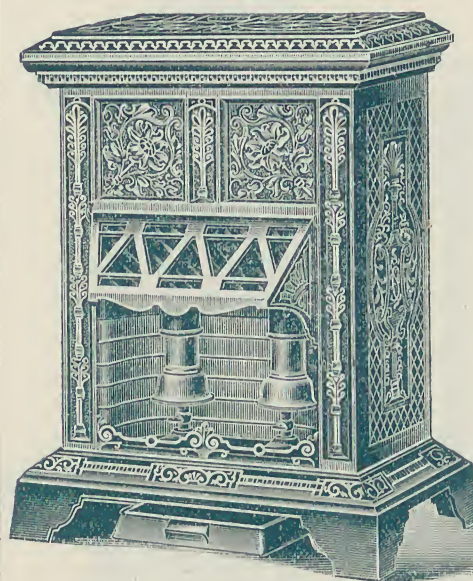
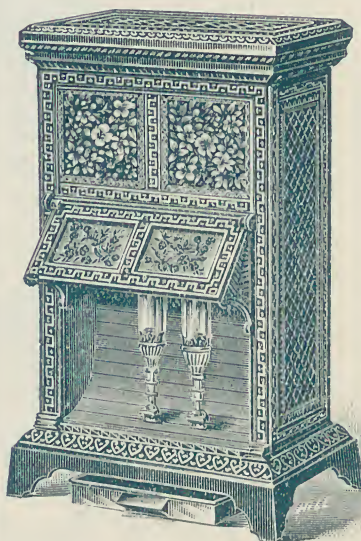
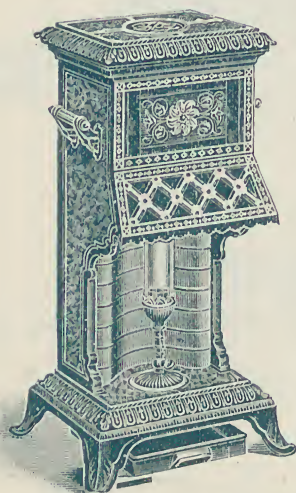
**Best Red India Rubber Gas Tube.**

Sizes	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{8}$	in.
Price	-/3	-/3 $\frac{1}{2}$	-/4	-/5 $\frac{1}{2}$	per foot.
Sizes	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	in.	
Price	-/6 $\frac{1}{2}$	-/11	1/3	per foot.	



## PATENT HYGIENIC GAS STOVES.

Suitable for Sitting Rooms, Offices, Entrance Halls, Vestries, Showrooms, Etc.  
 No. 2701. No. 2702. No. 2703.

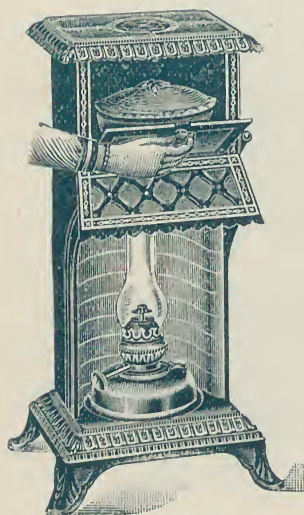


These Stoves are constructed to radiate a downward heat, throwing the warmth upon the floor of the apartment. The designs are artistic, and suited to all classes of furniture. They are fitted with Porcelain Tiles and Coloured Screen in front. The Burner gives both light and heat. The effect of light and colour is eminently pleasing.

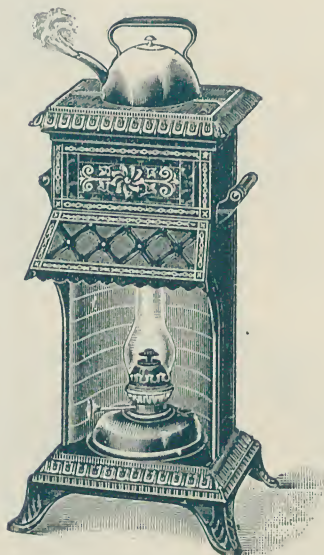
	Dimensions.	For Heating Rooms.	Consumption of Gas.	Price, Plain.	Price, Enamelled.
<b>No. 2701.</b>	Height 27 in. Width 15½ in. Depth 13 in.	10 ft. x 10 ft.	6 ft. of Gas per hour.	£2 19 6	£4 4 0
" <b>2702.</b>	" 30 " " 19 " " 15 "	17 ft., 17 ft.	12 " " "	5 12 6	5 2 6
" <b>2703.</b>	" 32 " " 25½ " " 18½ "	20 ft., 20 ft.	16 " " "	8 17 6	—

## PATENT "PETROLUX" STOVES.

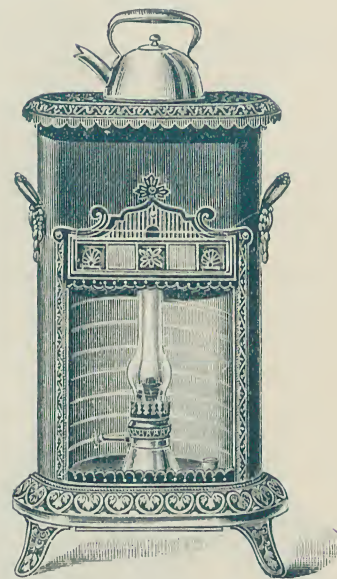
No. 2704.



No. 2705.



No. 2706.



"PETROLUX" Non-condensing Stoves burn without trouble or attention. They possess immense advantages over all other stoves in Economy, Healthiness, Portability, and General Convenience. The Burners are constructed on the Central-draught principle, and are of the best manufacture. Absolutely free from Smoke or Smell. Burn ordinary Paraffin Oil. Give a bright and cheerful light.

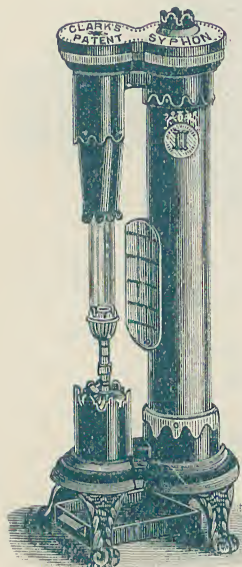
		Height.	Width.	Depth.	Price.
<b>No. 2704.</b>	Light Stove, will boil a kettle on top...	27	15	13 in.	35/6
" <b>2705.</b>	With Oven, for baking or keeping dishes warm	29	15	13 "	41/6
" <b>2706.</b>	Handsome Stove, heating capacity 12 ft. x 12 ft.	27	17	13½ "	41/6
" <b>2707.</b>	Ditto ditto ditto ditto	31	18	14 "	59/6

Awards for Excellence of Machines and Tools:

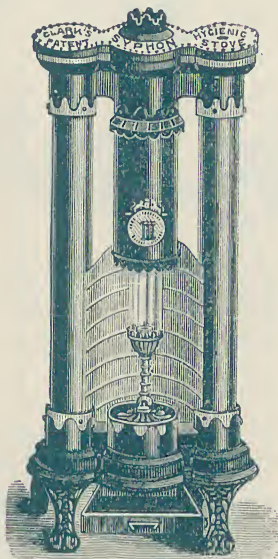


## PATENT "SYPHON" HYGIENIC GAS STOVES.

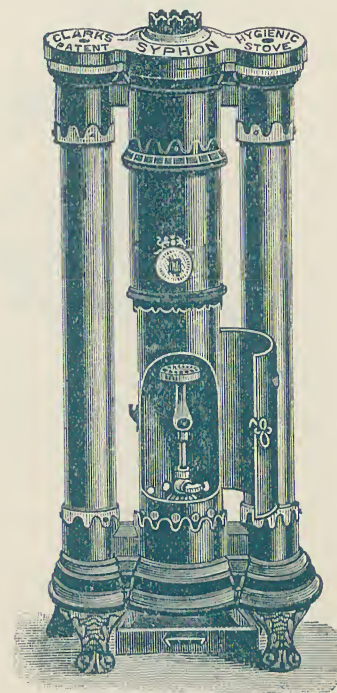
No. 2708.



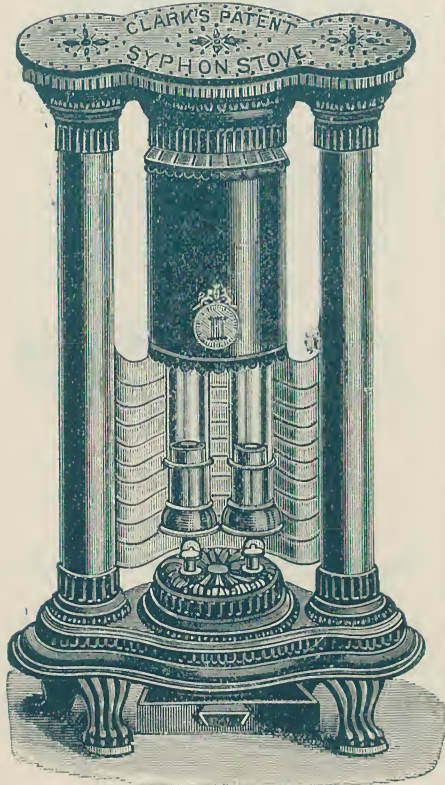
No. 2709.



No. 2710.



No. 2711.



### NO FLUE REQUIRED.

NO SMOKE! NO SMELL! NO DIRT OR TROUBLE! NO DANGER!

#### Special Features.

This Patent "Syphon" Hygienic Gas-Heating Stove give a pure, equable, and agreeable heat, which can be graduated or sustained at the will of the user. They are so constructed that a moist or dry atmosphere is obtainable at pleasure.

The extremely small quantity of gas consumed by this Stove renders it the most economical Heating Apparatus in the world. It produces the heat of a coal fire at the cost of **One Penny for three hours' burning.** The action of the Stove is under the most perfect control, the heat being increased or reduced by simply turning the supply tap.

No.	Dimensions.			For Heating Rooms.	Consumption of Gas.
2708	Height 33 in.	Width 10½ in.	Depth 10½ in.	10 ft. x 10 ft.	6 ft. per hour.
2709	" 23 "	" 15 "	" 10 "	12 ft. x 12 ft.	6 ft. "
2710	" 40 "	" 18 "	" 12 "	14 ft. x 14 ft.	8 ft. "
2711	" 42 "	" 21 "	" 14 "	16 ft. x 16 ft.	10 ft. "
2712	" 46 "	" 27 "	" 15½ "	18 ft. x 18 ft.	16 ft. "

#### PRICES.

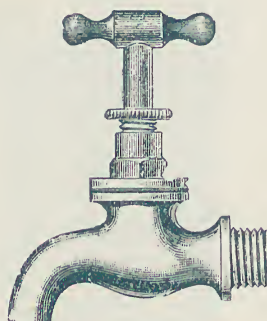
No.	Japanned and Bronzed.			Extra for Polished Copper Columns.	Extra for Marble Top.
No. 2708	£	s.	d.	5/9	9/6
" 2709	3	3	6	5/9	11/6
" 2710	4	7	6	5/9	11/6
" 2711	5	15	0	8/9	13/9
" 2712	8	2	6	11/6	17/6

Bronze Medal, 1884.—Gold Medal, 1890.



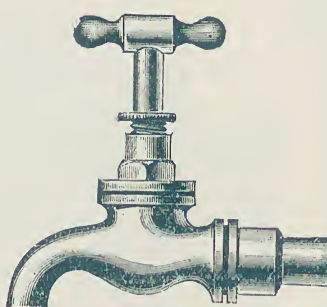
## HIGH PRESSURE BIB AND STOP COCKS.

No. 2720.



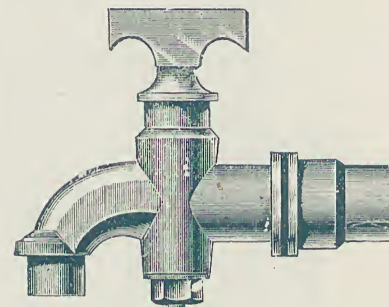
Sizes  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  1 in.  
 Price 1/8 2/- 2/6 3/3 5/9 each.

No. 2721.



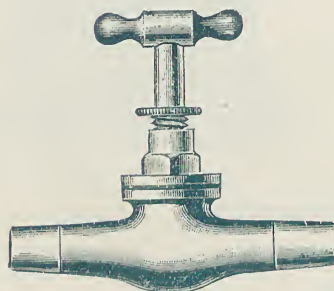
Size  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  1 in.  
 Price 2/- 2/3 3/- 3/6 6/6 each.

No. 2722.



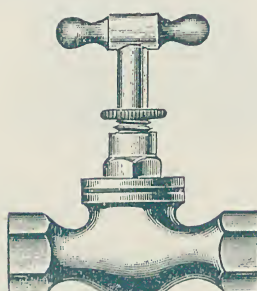
Size  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  1 in.  
 Price 1/9 1/11 2/3 2/9 5/- each.

No. 2723.



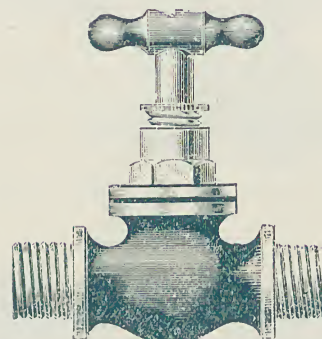
Sizes  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  1 in.  
 Price 1/8 2/- 2/6 3/3 5/9 each.

No. 2724.



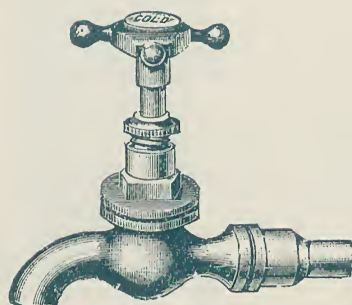
Sizes  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  1 in.  
 Price 1/10 2/- 2/6 3/3 6/3 each.

No. 2725.



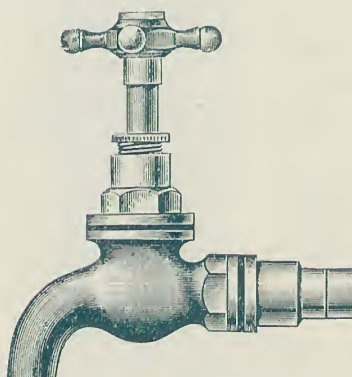
Sizes ...  $\frac{1}{2}$   $\frac{3}{4}$  1 in.  
 Price ... 3/6 5/- 10/- each.

No. 2726.



Sizes  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  1 in.  
 Price 2/9 3/- 3/9 4/6 7/6 each.

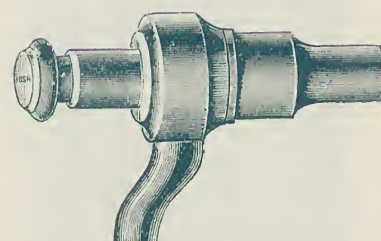
No. 2727.



New River Toilet Cock.

Sizes ...  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.  
 Price ... 3/9 4/9 5/6 each.

No. 2728.



Spring Tap, Lettered "Push."

Sizes ...  $\frac{3}{8}$   $\frac{1}{2}$  in.  
 Price—Brass ... 3/- 4/- each.

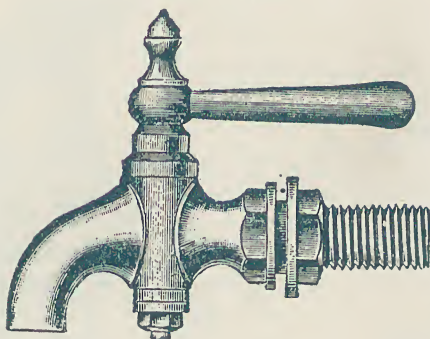
Guaranteed of the very Best Quality.

Awards for Excellence of Machines and Tools :



## RANGE TAPS, PLUMBERS' UNIONS, Etc.

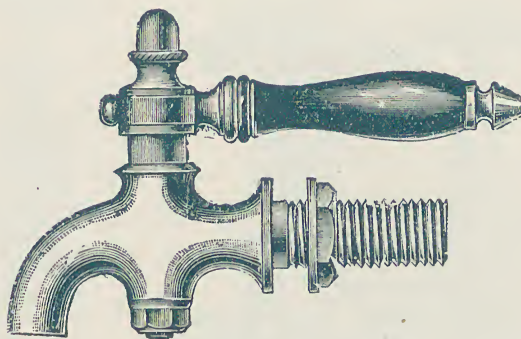
No. 2729.



With  $2\frac{1}{2}$  in. Tails.

Gun Metal ...	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1 in.
Price ...	4/-	5/-	6/-	9/- each.

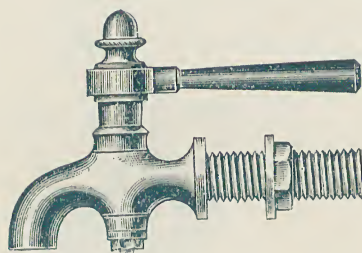
No. 2730.



With  $2\frac{1}{2}$  in. Tails.

Sizes ...	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1 in.
Brass with Ebony Handle ...	2/6	3/6	4/-	7/- each.

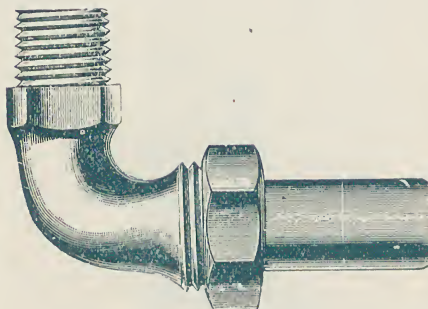
No. 2731.



With  $2\frac{1}{2}$  in. Tails.

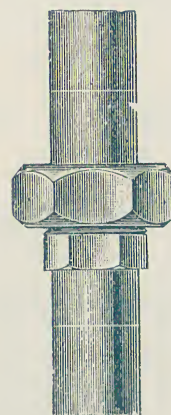
Size ...	$\frac{1}{2}$ in.
Price ...	2/3 each.

No. 2732.



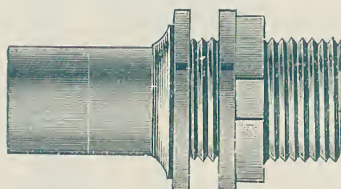
Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 in.
Price	1/1	1/3	2/-	3/- each.

No. 2733.



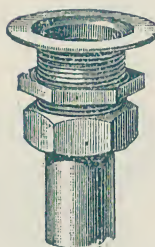
Sizes	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2 in.
Price	1/-	1/2	1/5	1/9	2/9	4/-	7/- ea.

No. 2734.



Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$ in.
Price	1/-	1/3	1/9	2/3	3/6	5/- each.

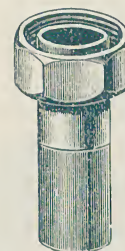
No. 2735.



Plug and Washer.

Sizes	$\frac{1}{2}$	$\frac{3}{4}$	1 in.
Price	1/4	1/8	2/- each.

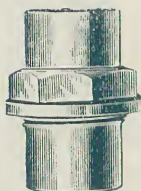
No. 2736.



Brass.

Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$ in.
Price	-/3	-/5	-/8	-/10	1/-	1/6 each.

No. 2737.



Size	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2 in.
Price	-/10	1/6	1/10	3/-	4/6	5/-	8/- ea.

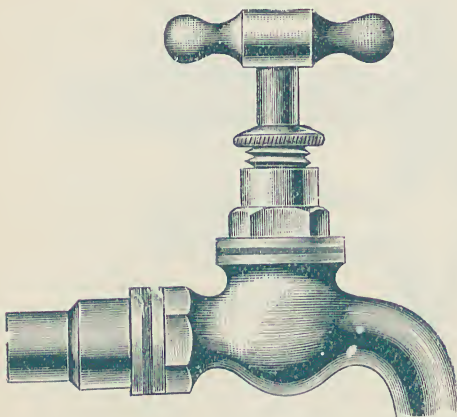
Guaranteed of the very Best Quality.

Bronze Medal, 1884.—Gold Medal, 1890.



## HIGH PRESSURE STOP AND LAVATORY COCKS.

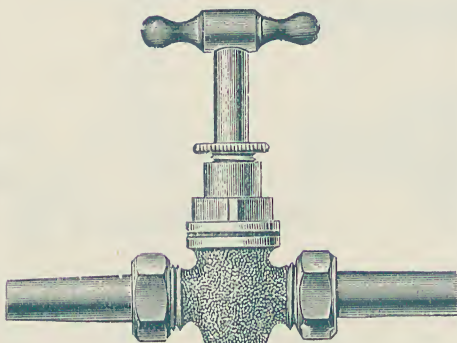
No. 2740.



Extra Strong Bibs, with Set Screw.

No.	Sizes	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	1 in.
2739.	Screwed Iron	3/-	3/9	5/6	9/6 ea.
2740.	Screw Boss	3/3	4/3	5/9	10/- "

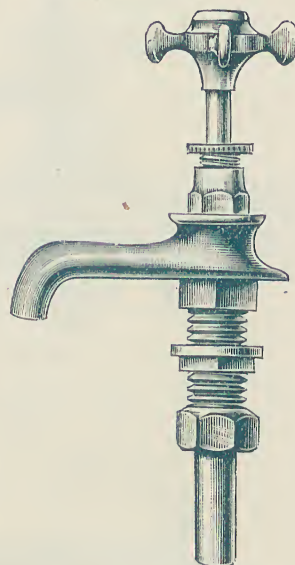
No. 2741.



East London Stop.

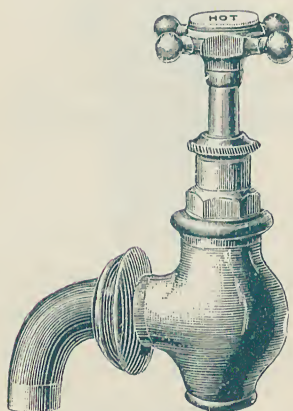
$\frac{1}{2}$ in. East London Stop	...	3/6	each.
$\frac{3}{4}$ " " " " "	...	6/6	"

No. 2742.

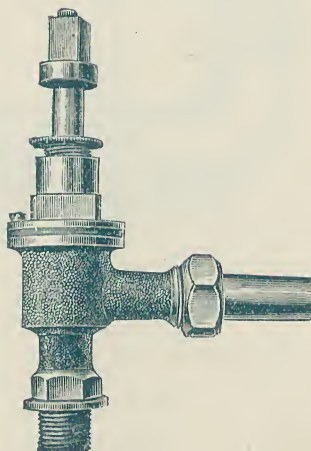


Sizes	$\frac{1}{2}$	$\frac{3}{4}$	1 in.
Price	4/-	4/6	6/9 11/- each.

No. 2743.

Brass,  $\frac{3}{4}$  in., 5/- each.

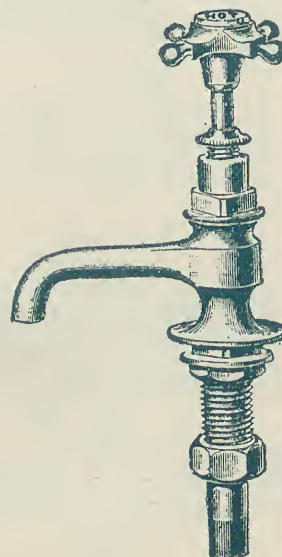
No. 2744.



Angle Valve Stop Cock.

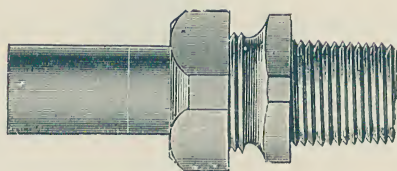
Sizes	$\frac{1}{2}$	$\frac{3}{4}$	1 in.
Price	3/9	5/9	8/6 each.

No. 2745.



Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 in.
Brass	4/-	5/-	7/6	11/6 each.

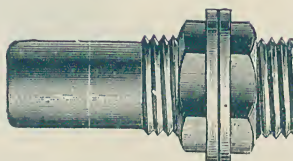
No. 2746.



Boiler Screw (one Nut).

Sizes	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	in.
Price	-/8	-/9	-/10	1/3	2/3	3/3	each.

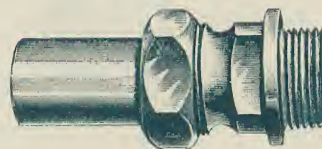
No. 2747.



Boiler Screw (two Nut).

Sizes	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	in.
Price	-/10	1/1	1/3	1/8	each.

No. 2748.



Plumber's Union.

Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 in.
Price	1/-	1/6	2/-	2/6 each.

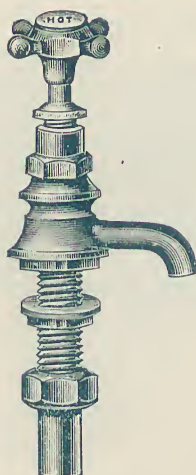
Guaranteed of the very Best Quality.

Awards for Excellence of Machines and Tools:



## BATH FITTINGS.

No. 2749.



Sizes	...	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 in.
Brass	...	4/-	4/9	7/-	11/- each.

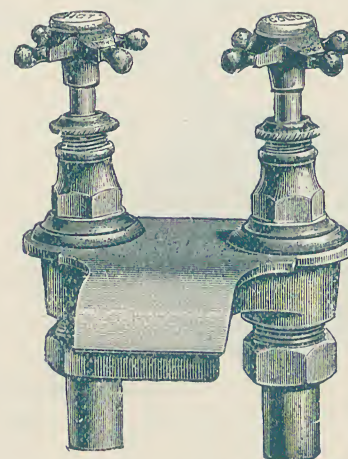
No. 2750.



Brass.

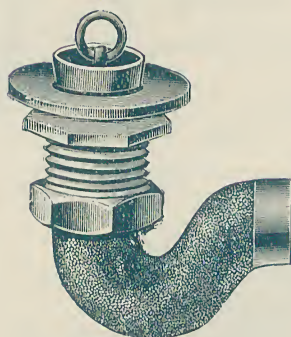
$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 in.
4/3	5/-	7/6	11/6 each.

No. 2751.



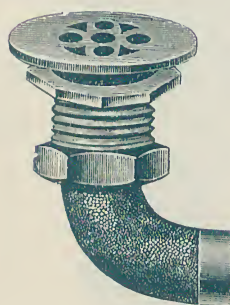
Sizes	...	$\frac{3}{4}$	1 in.
Brass	...	12/-	14/6 each.

No. 2752.



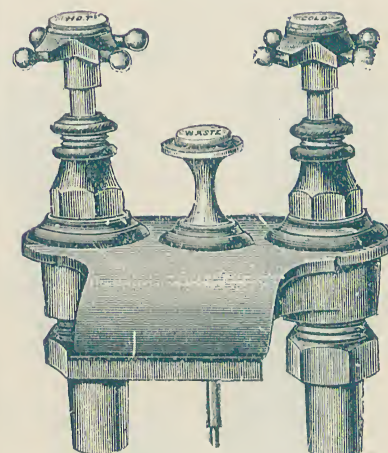
Size	...	...	...	1 $\frac{1}{4}$ in.
Brass	...	...	...	5/- each.

No. 2753.



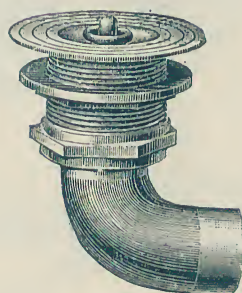
Size	...	...	...	1 $\frac{1}{4}$ in.
Brass	...	...	...	3/3 each.

No. 2754.



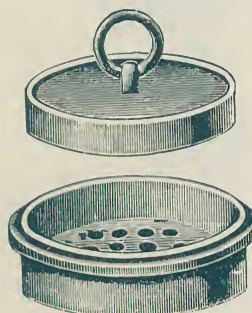
Sizes	...	$\frac{3}{4}$	1 in.
Price	...	20/-	24/- each.

No. 2755.



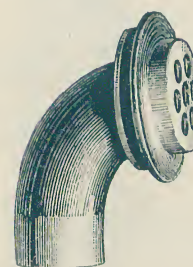
Size	...	...	...	1 $\frac{1}{4}$ in.
Brass	...	...	...	3/6 each.

No. 2756.



Sizes	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3 in.
Price	-7	-8	-10	1/1	1/7	2/6	3/6 each.

No. 2757.



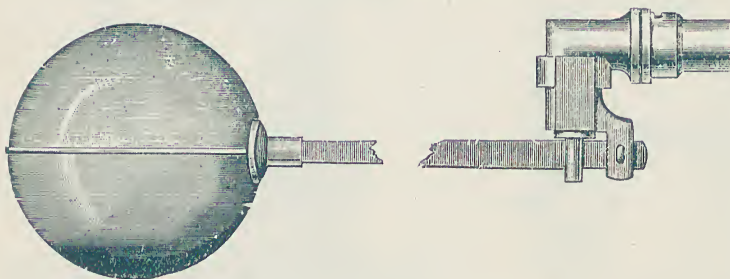
Bath Overflow.

Size	...	...	1	1 $\frac{1}{4}$ in.
Brass	...	...	1/6	2/- each.

Guaranteed of the very Best Quality.

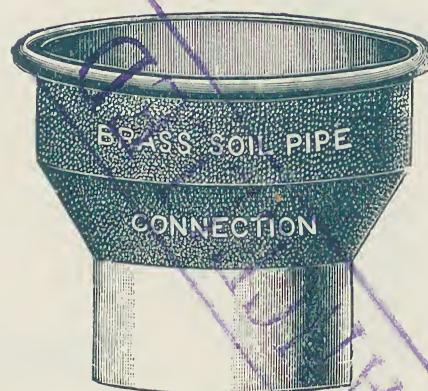
Bronze Medal, 1884.—Gold Medal, 1890.



**PLUMBERS' FITTINGS.****No. 2758.****Croydon Ball Valve.**

Copper Ball, Best Strong Quality.

Sizes ...	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 in.
Plain Shank, Long Arm ...	2/-	2/3	3/8	5/- each.
Screwed Iron „ ...	2/3	2/5	4/-	5/9
„ Boss „ ...	2/5	2/9	4/3	6/3

**No. 2759.**

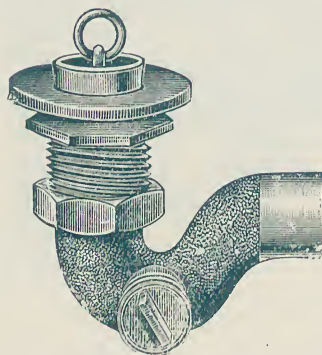
Length over all 5 in.

Inside diameter  $5\frac{1}{2} \times 3\frac{3}{4}$  in.

Per 4/6 doz.

**(CAST) CLEANSING SCREW SINK TRAPS.**

Foul Pipes, Basins, and Plugs Obviated.

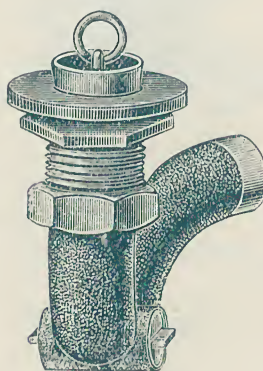
**Easy to Fix.****No. 2760.**

P Trap, Single Cleansing Screw, either right or left hand, Plug and Washer Top.

Size $1\frac{1}{4}$ in. ...	5/3 each.
„ $1\frac{1}{2}$ „ ...	7/- „
„ 2 „ ...	9/6 „

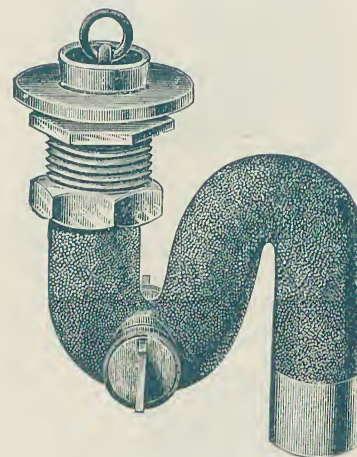
Ditto, but with Solid Top, Countersunk Holes, instead of plug and washer.

Size $1\frac{1}{4}$ in. ...	5/- each.
„ $1\frac{1}{2}$ „ ...	7/6 „
„ 2 „ ...	9/- „

**Lighter than Lead Traps.****No. 2761.**

P Trap, Two Cleansing Screws, Plug and Washer Top.

Size $1\frac{1}{4}$ in. ...	5/6 each.
„ $1\frac{1}{2}$ „ ...	7/6 „
„ 2 „ ...	10/- „

**Easy to Clean.****No. 2762.**

S Trap, Double Cleansing Screw Plug and Washer Top.

Size $1\frac{1}{4}$ in. ...	102/- per doz.
„ $1\frac{1}{2}$ „ ...	112/- „
„ 2 „ ...	180/- „
One Right or Left-hand Cleansing Screw, Plug and Washer Top.	
Size $1\frac{1}{4}$ in. ...	8/6 each.
„ $1\frac{1}{2}$ „ ...	9/6 „
„ 2 „ ...	15/- „

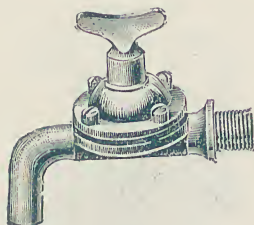
Guaranteed of the very Best Quality.

**Awards for Excellence of Machines and Tools :**



## BEER COCKS, SAFETY VALVES, Etc.

No. 2764.



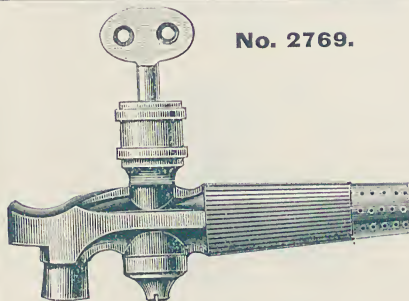
**Lambert Pattern Bib Cock.**

Sizes ...  $\frac{3}{8}$   $\frac{1}{2}$  in.

No. 2764. For Iron ... 2/- 2/9 each.

„ 2765. With Boss 2/6 3/3 „

No. 2769.

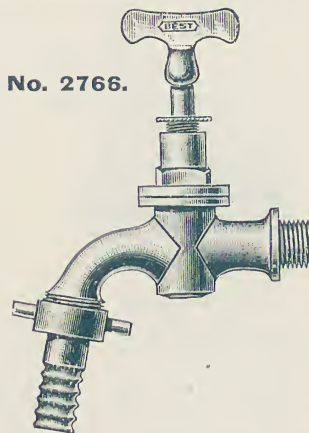


**Strong Lock Beer Cock.**

Sizes ...  $\frac{1}{2}$   $\frac{5}{8}$  in.

Price ... 3/6 4/- each.

No. 2766.



**Bib Cock, with Union for Hose.**

Sizes ...  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  1 in.

No. 2766. Plain Shank 3/3 4/- 5/3 7/9 ea.

„ 2767. For Iron ... 3/6 4/6 5/9 8/6 „

„ 2768. Screw Boss 3/9 4/9 6/- 8/9 „

No. 2770.

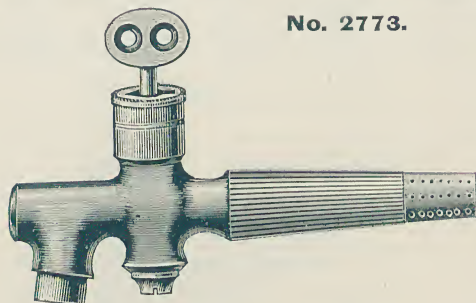


**Polished Bottling Cocks.**

Size ...  $\frac{5}{8}$  in.

Price ... 4/3 each.

No. 2773.

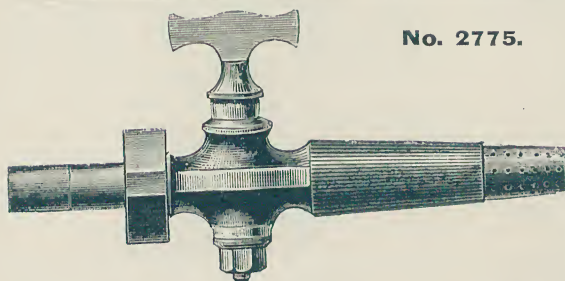


**Lock Beer Cocks.**

Sizes ...  $\frac{1}{2}$   $\frac{5}{8}$  in.

Price ... 3/3 3/9 each.

No. 2775.

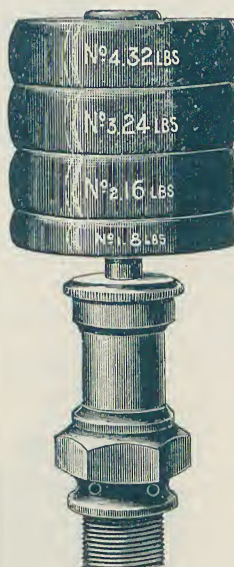


**Straight Tapping Cocks and Unions.**

Price ... 4/9 each.

**Dead Weight Safety Valves (Indexed).**

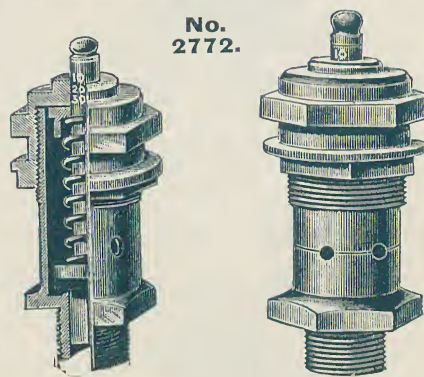
No. 2771.



Sizes  $\frac{3}{4}$  1 in.

Price 6/6 7/- each.

No. 2772.



**Spring Safety Valves (Indexed).**

Sizes ...  $\frac{3}{4}$  1 in.

Price ... 5/3 5/6 each.

No. 2776.



**Short Spindle Valves.**

Sizes  $\frac{3}{4}$  1  $1\frac{1}{4}$  in.

Price 1/3 1/6 2/- each.

No.

2774.



**Leaded Weight Valves, for Cistern.**

Price 4/6 each.

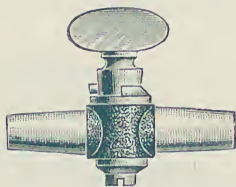
Guaranteed of the very Best Quality.

Bronze Medal, 1884.—Gold Medal, 1890.



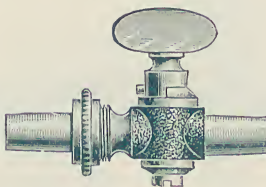
## GAS FITTINGS.

No. 2779.

**Stop Cock.**  
Tinned Ends.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.  
Price 7/- 9/6 12/6 20/- 26/- doz.

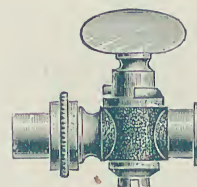
No. 2780.

**Stop Cock.**

Tinned Ends and Tight'd Unions.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.  
Price 10/- 13/6 17/6 26/6 32/- doz.

No. 2781.

**Tight'd Fullway Union Cocks.**  
For Iron.

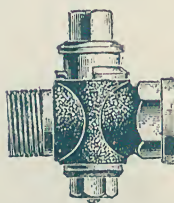
Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.  
Price 13/6 16/- 22/- 29/- 44/- doz.

No. 2782.

**Fullway Stop Cocks.**  
For Iron.

Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$  in.  
Price 10/6 11/6 18/6 27/- doz.

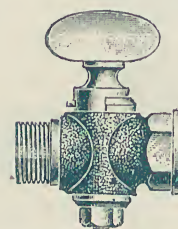
No. 2783.

**Main Cocks.**

Male and Female, for Iron.

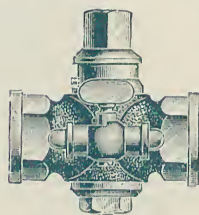
Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.  
Price 11/6 13/- 15/- 25/- doz.  
Sizes 1  $1\frac{1}{4}$   $1\frac{1}{2}$  2 in.  
Price 3/6 7/9 10/6 22/- each.

No. 2784.

**Main Cock.**  
For Iron.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  1 in.  
Price 11/6 14/- 16/- 26/- 48/- doz.  
Sizes  $1\frac{1}{4}$   $1\frac{1}{2}$  2 in.  
Price 10/- 14/- 27/- each.

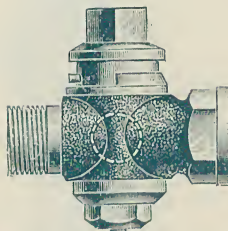
No. 2785.

**Main Cock.**

With small Bye-pass, for Iron.

Sizes  $\frac{1}{2}$   $\frac{3}{4}$  1 in.  
Price 3/3 4/3 6/3 each.

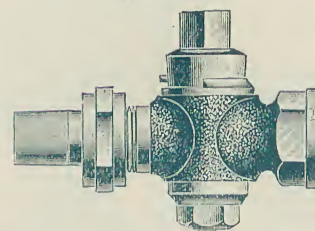
No. 2786.

**Main Cock. Extra Strong.**

With full round Gas-way, for Iron.

Sizes  $\frac{1}{2}$   $\frac{3}{4}$  1 in.  
Price 2/- 3/- 5/9 each.

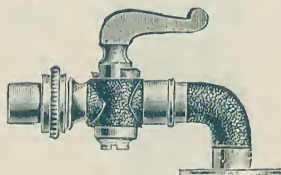
No. 2788.

**Gun Metal Main Cock.**

With Tight'd Caps and Linings, for Iron.

Sizes  $\frac{1}{2}$   $\frac{3}{4}$  1  $1\frac{1}{4}$  in.  
Price 2/6 4/9 7/9 11/6 each.

No. 2790.

**Tight'd Fullway Union Cock.**

With Bend and Plate, four holes, for Iron.

 $\frac{1}{4}$  in. Rough, as drawn, 2/6 each.

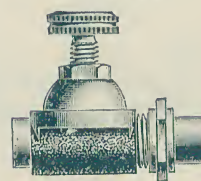
No. 2791.

**Carter's Valves.**

For Iron.

Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.  
Price 1/6 2/- 2/3 3/- 3/9 each.

No. 2792.

**Carter's Valves.**

With Unions, for Iron.

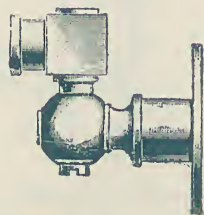
Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.  
Price 1/8 2/3 2/9 3/6 4/6 each.

Awards for Excellence of Machines and Tools :



## GAS FITTINGS.

**No. 2793.**



**Pendant Tops.**

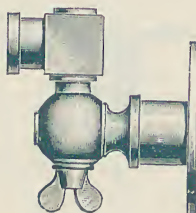
For Brass.

Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ in.
Price	12/-	13/-	15/6	16/6 doz.

For Iron.

Sizes	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$ in.
Price	16/6	24/-	32/6 doz.

**No. 2794.**

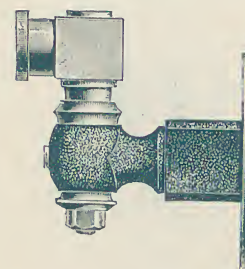


**Pendant Tops.**

With Fly Nuts, for Iron.

Sizes	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$ in.
Price	21/-	29/-	37/6 each.

**No. 2795.**

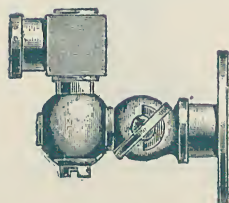


**Heavy Pendant Tops.**

For Iron.

Sizes	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$ in.
Price	2/3	3/-	4/- each.

**No. 2796.**



**Bracket Backs.**

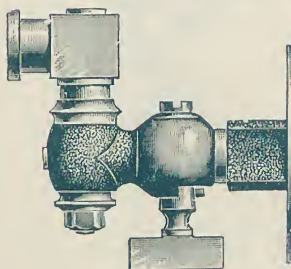
For Brass.

Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ in.
Price	15/6	18/-	20/-	32/- doz.

For Iron.

Sizes	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$ in.
Price	17/6	19/6	31/-	44/-	67/- doz.

**No. 2797.**

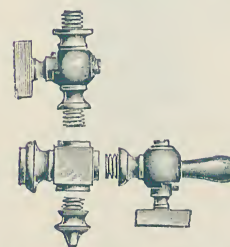


**Heavy Bracket Backs.**

For Iron.

Sizes	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$ in.
Price	3/6	4/6	6/- each.

**No. 2800.**

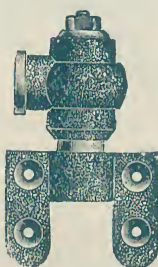


**Double Interchangeable Flexible Tube Cocks.**

For Brass.

Sizes	$\frac{3}{8}$	$\frac{1}{2}$ in.
Price	1/6	1/9 each.

**No. 2801.**

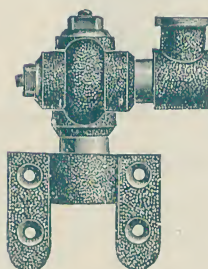


**Heavy Rough Wing Backs.**

For Iron.

Sizes	$\frac{1}{4}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{5}{8}$	$\frac{1}{2}$ in.
Price	1/6	1/9	2/-	2/9 each.

**No. 2802.**

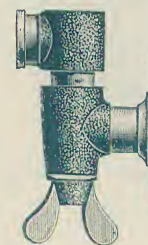


**Heavy Rough Universal Wing Backs.**

For Iron.

$\frac{1}{4}$  in. 2/6 each.

**No. 2803.**



**Tops for Outside Lamps.**

For Iron.

Sizes	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$ in.
Price	2/7	3/3	5/6 each.

**No. 2804.**



**Short Nipples.**

For Iron.

Sizes	$\frac{1}{4} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{8}$	$\frac{5}{8} \times \frac{1}{4}$ in.
Price	1/9	2/6	3/-

Sizes	$\frac{1}{2} \times \frac{1}{8}$	$\frac{1}{2} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{3}{8}$ in.
Price	3/6	4/-	4/6 per doz.

**No. 2805.**



**Short Nipples.**

Without shoulder, for Iron.

$\frac{1}{4} \times \frac{1}{8}$  in. Male  $\times \frac{1}{8}$  in. Female  
per 1/9 doz.

**No. 2806.**



**Long Nipples.**

Without shoulder, for Iron.

$\frac{1}{4} \times \frac{1}{8}$  in. Male  $\times \frac{1}{8}$  in. Female.

Length	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	2 in.
Price	1/10	2/3	2/6	3/-	3/6 doz.



## GAS FITTINGS.

No. 2810.



Ceiling Plates.

For Iron.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  1 in.

Price 5/- 6/- 8/- 12/- 17/6 doz.

No. 2811.



Ceiling Plates.

Male, for Iron.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  1 in.

Price 5/3 6/3 8/- 12/6 18/- doz.

No. 2812.



Single Swivels.

For Brass.

Sizes  $\frac{3}{8}$   $\frac{1}{2} \times \frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8} \times \frac{1}{2}$   $\frac{5}{8}$  in.

Price 7/6 8/- 9/- 10/- 12/- doz.

For Iron.

Sizes  $\frac{1}{4} \times \frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8} \times \frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2} \times \frac{3}{8}$   $\frac{1}{2}$  in.

Price 7/6 9/- 10/- 12/- 14/- 19/- doz.

No. 2813.



Heavy Rough Single Swivels.

For Iron.

Sizes  $\frac{1}{4} \times \frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8} \times \frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2} \times \frac{3}{8}$   $\frac{1}{2}$  in.

Price 11/6 11/6 13/6 15/6 16/- 21/- doz.

No. 2814.



Double Swivels.

For Brass.

Sizes  $\frac{3}{8}$   $\frac{1}{2} \times \frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8} \times \frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4} \times \frac{5}{8}$  in.

Price 10/- 10/6 10/9 11/6 12/- 19/- doz.

For Iron.

Sizes  $\frac{1}{4} \times \frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8} \times \frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2} \times \frac{3}{8}$   $\frac{1}{2}$  in.

Price 10/6 11/- 12/6 15/- 21/- 26/- doz.

No. 2815.



Double Swivels.

Male and Female, for Iron.

Sizes  $\frac{1}{4} \times \frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8} \times \frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2} \times \frac{3}{8}$   $\frac{1}{2}$  in.

Price 12/- 12/6 17/- 18/- 26/- 27/- doz.

No. 2816.



Heavy Rough Double Swivels.

Female, for Iron.

Sizes  $\frac{1}{4} \times \frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8} \times \frac{1}{4}$   $\frac{3}{8}$  in.

Price 13/- 13/6 17/- 18/- doz.

No. 2817.



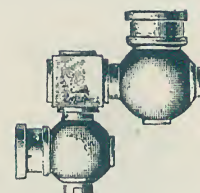
Heavy Rough Double Swivels.

Male and Female, for Iron.

Sizes  $\frac{1}{4} \times \frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8} \times \frac{1}{4}$   $\frac{3}{8}$  in.

Price 13/- 13/6 17/- 18/- doz.

No. 2818.



Universal Swivels.

For Brass.

Sizes  $\frac{3}{8}$   $\frac{1}{2} \times \frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8} \times \frac{1}{2}$   $\frac{5}{8}$  in.

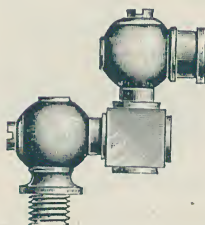
Price 13/6 15/- 16/- 18/6 20/- doz.

For Iron.

Sizes  $\frac{1}{4} \times \frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8} \times \frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2} \times \frac{3}{8}$   $\frac{1}{2}$  in.

Price 15/- 17/- 19/- 20/- 29/- 32/- doz.

No. 2819.



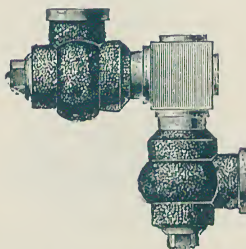
Universal Swivels.

Male and Female, for Iron.

Sizes  $\frac{1}{4} \times \frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8} \times \frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2} \times \frac{3}{8}$   $\frac{1}{2}$  in.

Price 16/- 17/6 21/6 23/- 34/- 38/- doz.

No. 2820.



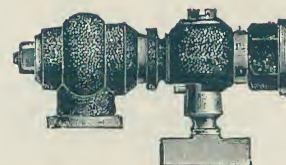
Heavy Rough Universal Swivels.

For Iron.

Sizes  $\frac{1}{4} \times \frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8} \times \frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2} \times \frac{3}{8}$   $\frac{1}{2}$  in.

Price 22/- 22/6 26/- 29/- 34/- 39/- doz.

No. 2821.



Heavy Rough Swivel Cocks.

For Iron.

Sizes  $\frac{1}{4} \times \frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8} \times \frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2} \times \frac{3}{8}$   $\frac{1}{2}$  in.

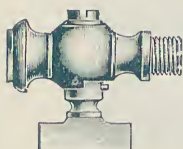
Price 21/- 21/6 22/- 26/- 29/- 34/- doz.

Awards for Excellence of Machines and Tools:



## GAS FITTINGS.

**No. 2823.**



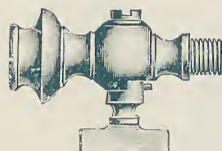
**Nose Piece Cocks.**

For Brass.

Sizes  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.

Price **6/9 7/9 9/- 11/6** doz.

**No. 2824.**



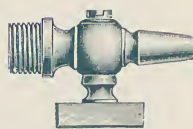
**Pillar Cocks.**

For Iron.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  1 in.

Price **7/9 8/9 12/6 20/- 28/-** doz.

**No. 2825.**

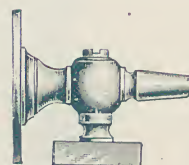


**Pipe-Light Cocks.**

Size  $\frac{5}{16}$   $\frac{3}{8}$  in.

Price **4/9 5/6** doz.

**No. 2826.**

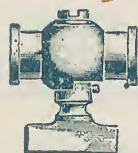


**Pipe-Light Cocks.**

With Plates.

Price **11/-** per doz

**No. 2827.**



**Stop Cocks.**

Female Ends, for Brass.

Sizes  $\frac{3}{8}$   $\frac{1}{2} \times \frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8} \times \frac{1}{2}$   $\frac{3}{4}$  in.

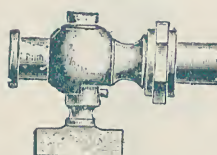
Price **6/6 7/9 8/- 11/6 12/-** doz.

For Iron.

Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$  in.

Price **6/6 8/- 12/- 19/6** doz.

**No. 2829.**



**Union Cocks.**

Female ends, for Brass.

Sizes  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$   $\frac{3}{4}$  in.

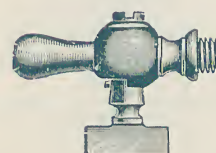
Price **9/- 11/6 17/- 27/-** doz.

For Iron.

Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$  in.

Price **9/- 11/6 17/- 27/-** doz.

**No. 2830.**



**Flexible Tube Cocks.**

Male, for Brass.

Sizes  $\frac{3}{8}$   $\frac{1}{2}$  in.

Price **7/- 8/-** doz.

**No. 2831.**



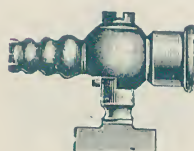
**Flexible Tube Cocks.**

Male end for Iron.

Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$  in.

Price **7/6 8/3 9/- 11/-** doz.

**No. 2832.**



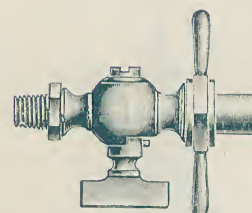
**Flexible Tube Cocks.**

Female for Iron.

Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$  in.

Price **7/6 8/- 8/6 10/6** doz.

**No. 2833.**



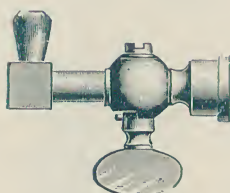
**Tight'd Union Cocks, With Fly Caps.**

Male and Female for Brass.

Sizes  $\frac{3}{8}$   $\frac{1}{2}$  in.

Price **1/3 1/6** each.

**No. 2834.**



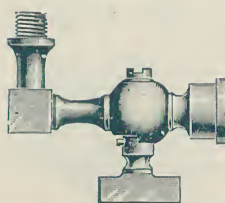
**Elbow Cocks.**

Key at Bottom, for Iron.

Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.

Price **7/9 8/6 10/- 13/6 18/-** doz.

**No. 2835.**



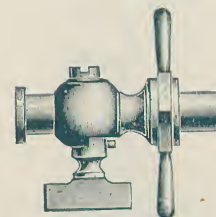
**Elbow Cocks.**

Screwed for Galleries, for Iron.

Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.

Price **9/- 10/- 11/- 15/- 21/-** doz.

**No. 2836.**



**Tight'd Union Cocks, with Fly Caps.**

Female for Brass.

Sizes  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8}$  in.

Price **1/- 1/3 1/9** each.

**Bronze Medal, 1884.—Gold Medal, 1890.**



**GAS FITTINGS.****No. 2837.****Finger Burners for Gas Fires.** $\frac{3}{8}$  in. Male.Price **6/6** per doz.**No. 2838.****Bunsen Burners.**Price **19/-** per doz.**No. 2839.****Atmospheric Bulbs.**

For Iron.

Sizes	$\frac{1}{4} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{1}{4}$	$\frac{3}{4} \times \frac{1}{4}$ in.
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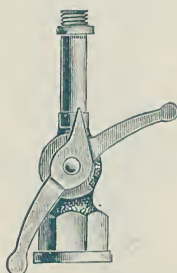
Price	<b>7/6</b>	<b>9/-</b>	<b>13/-</b>	<b>16/6</b> doz.
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**No. 2840.****Atmospheric Burners.** $\frac{3}{8}$  in. Male.

Sizes	$\frac{3}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$ in.
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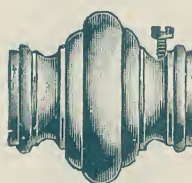
Price **10/6 12/3 15/- 18/6 25/- 31/-** doz.**No. 2841.****Atmospheric Burners, with Plates.**

Sizes	$\frac{3}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$ in.
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Price **14/6 16/- 19/- 25/- 31/- 38/-** doz.**No. 2842.****Strong Atmospheric Burner.** $2\frac{1}{2}$  in. Top, with 24 Tubes. $\frac{3}{8}$  in. Female.Price **1/10** each.**No. 2843.****Strong Pillar Lantern Cocks, with Lever.**

For Iron.

Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$ in.
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Price **1/9 1/11 2/2** each.**No. 2844.****Cast Husks.**

Lacquered for Iron Tube.

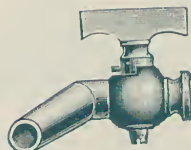
Sizes	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 in.
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Price **7/6 11/- 13/6 20/- 28/-** doz.**No. 2845.****Wrought Iron Lever Keys for Gas Mains.**

Sizes	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2 in.
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Price **5/6 6/6 8/- 13/6 24/- 32/-** doz.**No. 2846.****Loose Key, for Gas Fire Cocks.**

Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in. square.
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Price **-/10 1/1 1/2 1/4 2/- 2/6** each.**No. 2847.****Cocks for Limelight Lanterns.**Price **1/6** each.**No. 2848.****Consumer Holder.**

Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$ in.
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Price **1/6 1/8 1/10** each.**Awards for Excellence of Machines and Tools.**



## GAS FITTINGS.

**No. 2849.**



**Elbows.**

Screwed for Brass for Galleries.

Sizes	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	in.
Price	3/6	3/9	4/-	6/6	9/-	doz.

**No. 2850.**



**Elbows.**

Screwed for Brass, for Galleries.

Size  $\frac{3}{8}$  in. 3 9 per doz.

**No. 2851.**



**Extra Strong Elbows.**

Screwed for Brass, for Galleries.

Size	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	in.
Price	5/6	7/6	10/-		doz.

**No. 2853.**



**Long Straight Sockets.**

Screwed for Brass for Galleries.

Size  $\frac{3}{8}$  in. 3/3 per doz.

**No. 2854.**



**Knee Sockets.**

For Brass.

Size  $\frac{3}{8}$  in. 2/6 per doz.

**No. 2856.**

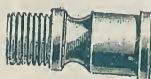


**Flexible Tube Sockets.**

Female, for Brass.

Size	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	in.
Price	2/3	4/-	5/6	7/6	doz.

**No. 2860.**



**Straight Sockets.**

Screwed for Galleries, for Brass.

Sizes	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	in.
Price	2/6	3/-	4/-	doz.

**No. 2861.**



**Lengthening Nosepieces.**

Male and Female, for Brass.

$\frac{3}{8}$ in. Short,	1/6 per doz.
$\frac{1}{2}$ in. Long,	2/6 per doz.

**No. 2862.**



**Couplers.**

Female, for Brass.

Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
Price	1/8	2/-	3/-	3/9	5/-	6/6 doz.

Reducing Couplers, same price as large end.

**No. 2863.**



**Straight Tube Nosepieces.**

1  $\frac{3}{4}$  in. long.

Sizes	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	in.
Price	-/10	1/-	1/2	doz.

**No. 2864.**



**Elbow Tube Nosepieces.**

Assorted.

Sizes	$\frac{3}{8}$	$\frac{1}{2}$	in.
Price	2/6	3/3	doz.

**No. 2865.**



**Cast Elbow Drop Screws.**

For Iron.

Sizes	$\frac{1}{8}$	$\frac{1}{4} \times \frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{4}$	in.
Price	3/-	3/6	4/-	5/6	6/3	doz.

**No. 2866.**



**Cast Back Knees.**

For Brass.

Sizes	$\frac{3}{8} \times 1$	$1 \frac{1}{4}$	$1 \frac{1}{2}$	$1 \frac{3}{4}$	2 in.
Price	2/-	2/3	2/6	3/-	4/- doz.

**No. 2867.**



**Tube Tees.**

$\frac{3}{8}$  in. 3/6 per doz.

**No. 2868.**



**Rough Burner Elbows.**

For Iron.

Size	$\frac{1}{8}$	$\frac{1}{4}$	in.
Price	2/6	3/-	doz.



## GAS FITTINGS.

No. 2869.



Stuffing Boxes.

For Brass.

Sizes  $\frac{5}{8} \times \frac{1}{2}$   $\frac{3}{4} \times \frac{1}{2}$   $\frac{1}{2} \times \frac{1}{2}$   $1 \times \frac{1}{2}$  in.

Price -/7 -/10 1/6 1/9 each.

No. 2870.



Cast Nosepieces.

For Brass.

Sizes  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$   $1$  in.

Price 1/6 1/8 1/10 3/- 5/- doz.

For Iron.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  1 in.

Price 2/3 2/9 5/- 7/6 10/- doz.

No. 2871.



Elbows.

For Brass.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2} \times \frac{3}{8}$   $\frac{5}{8} \times \frac{1}{2}$  in.

Price 1/9 2/6 3/- 4/6 doz.

Sizes  $\frac{5}{8}$   $\frac{3}{4} \times \frac{5}{8}$   $\frac{3}{4}$  in.

Price 5/6 6/6 7/6 doz.

For Iron.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$  in.

Price 3/6 5/6 9/- doz.

No. 2872.



Tees.

For Brass.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{3}{4} \times \frac{3}{8} \times \frac{1}{2}$  in.

Price 2/6 2/9 3/3 doz.

Sizes  $\frac{1}{2} \times \frac{1}{2} \times \frac{3}{8}$   $\frac{1}{2}$   $\frac{5}{8} \times \frac{1}{2}$  in.

Price 4/- 4/6 5/3 doz.

Sizes ...  $\frac{5}{8}$   $\frac{3}{4}$  in.

Price ... 5/6 9/6 doz.

For Iron.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$  in.

Price 4/6 5/6 11/- doz.

No. 2873.



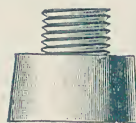
Rough Crosses.

For Iron.

Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$  in.

Price 5/- 7/- 10/6 doz.

No. 2874.



Diminishing Drop Screws.

For Iron.

Sizes  $\frac{1}{4} \times \frac{1}{8}$   $\frac{1}{2} \times \frac{1}{8}$   $\frac{3}{8} \times \frac{1}{8}$   $\frac{3}{4} \times \frac{1}{8}$  in.

Price 1/9 2/- 2/6 3/- doz.

Sizes  $\frac{3}{8} \times \frac{3}{8}$   $\frac{1}{2} \times \frac{1}{8}$   $\frac{1}{2} \times \frac{1}{4}$   $\frac{1}{2} \times \frac{3}{8}$  in.

Price 3/6 3/6 4/3 4/6 doz.

Sizes  $\frac{3}{4} \times \frac{1}{4}$   $\frac{3}{4} \times \frac{3}{8}$   $\frac{3}{8} \times \frac{1}{2}$  1  $\times \frac{3}{4}$  in.

Price 7/- 7/6 9/6 14/- doz.

No. 2875.



Strong Diminishing Couplers.

For Iron.

Sizes ...  $\frac{1}{4} \times \frac{1}{8}$   $\frac{3}{8} \times \frac{1}{4}$  in.

Price ... 3/6 4/- doz.

Sizes ...  $\frac{1}{2} \times \frac{1}{4}$   $\frac{1}{2} \times \frac{3}{8}$  in.

Price ... 6/- 7/- doz.

No. 2876.



Stopping Plugs.

For Iron.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.

Price 2/9 3/- 4/3 5/6 doz.

No. 2877.



Bushes.

Male and Female, for Iron.

Sizes  $\frac{1}{4} \times \frac{1}{8}$   $\frac{3}{8} \times \frac{1}{8}$   $\frac{3}{8} \times \frac{1}{4}$  in.

Price 1/6 2/3 2/- doz.

Sizes  $\frac{1}{2} \times \frac{1}{8}$   $\frac{1}{2} \times \frac{1}{4}$   $\frac{1}{2} \times \frac{3}{8}$  in.

Price 3/3 3/- 2/6 doz.

Sizes  $\frac{3}{4} \times \frac{1}{8}$   $\frac{3}{4} \times \frac{1}{4}$   $\frac{3}{4} \times \frac{3}{8}$  in.

Price 5/6 5/3 5/- doz.

Sizes  $\frac{3}{4} \times \frac{1}{2}$  1  $\times \frac{3}{8}$  1  $\times \frac{1}{2}$  in.

Price 4/9 8/- 7/3 doz.

No. 2878.



Lacquered Short Burner Sockets.

For Brass.

Sizes  $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.

Price 1/9 2/- 2/6 doz.

No. 2879.



Nuts for Wire Shades.

 $\frac{3}{8}$  in., with 3 Holes ... 2/6 doz. $\frac{3}{8}$  in., with 4 Holes ... 2/6 "

No. 2880.



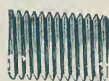
Stopping Plugs.

For Iron.

Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$  in.

Price -/9 1/3 2/3 doz.

No. 2881.



Straight Nipples.

For Iron.

Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  1 in.

Price 1/3 1/6 2/3 3/- 5/- 8/- doz.

No. 2882.



Burner Adaptors.

 $\frac{3}{8}$ -in. Burner.

Per 1/9 doz.

No. 2833.



Floor Plates for Gas Fires.

Sizes 3 4 in.

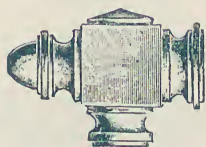
Price 10/- 13/- doz.

Awards for Excellence of Machines and Tools:



## GAS FITTINGS.

**No. 2884.**

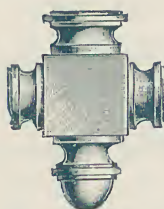


**Square One-light Bodies.**

For Iron.

Sizes	$\frac{1}{2} \times \frac{3}{8}$	$\frac{3}{4} \times \frac{1}{2}$	$1 \times \frac{3}{4}$ in.
Price	1/9	2/6	3/3 each.

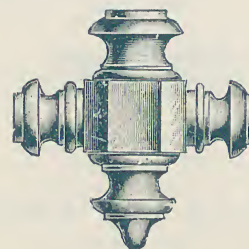
**No. 2885.**



**Square Two-light Bodies.**

Sizes	$\frac{1}{2} \times \frac{3}{8}$	$\frac{3}{4} \times \frac{1}{2}$	$1 \times \frac{3}{4}$ in.
Price	1/9	2/6	3/6 each.

**No. 2886.**



**Octagon Two-light Bodies.**

For Iron.

Sizes	$\frac{1}{2} \times \frac{3}{8}$	$\frac{3}{4} \times \frac{1}{2}$	$1 \times \frac{3}{4}$ in.
Price	2/6	3/9	7/6 each.

**No. 2887.**



**Bodies and Knobs.**

For Brass.

Sizes	...	...	$\frac{3}{8}$	$\frac{1}{2}$ in.
Price	...	...	5/-	6/6 doz.

**No. 2888.**

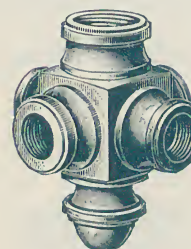


**Cup and Ball Joints.**

Male and Female, for Iron.

Sizes	$\frac{1}{4} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{3}{8}$	$\frac{3}{4} \times \frac{1}{2}$ in.
Price	14/-	17/6	31/-	32/- doz.

**No. 2889.**



**Square Four-light Bodies.**

For Iron.

Sizes	$\frac{1}{2} \times \frac{3}{8}$	$\frac{3}{4} \times \frac{1}{2}$	$1 \times \frac{3}{4}$ in.
Price	3/-	4/6	6/6 each.

**No. 2890.**



**Cup and Ball Joints.**

With Drop, Male and Female, for Iron.

Sizes	$\frac{1}{4}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2} \times \frac{3}{8}$	$\frac{1}{2}$ in.
Price	17/-	21/-	22/-	24/-	25/- doz.

**No. 2891.**



**Cup and Ball Joints.**

Female, for Iron.

Sizes	$\frac{1}{4} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{3}{8}$	$\frac{3}{4} \times \frac{1}{2}$ in.
Price	14/-	17/6	31/-	32/- doz.

**No. 2894.**



**Small Ball Bodies.**

Lacquered, for Iron.

		2-light.	3-light.	4-light.
$\frac{1}{2} \times \frac{1}{4}$	...	3/6	4/6	5/6
$\frac{1}{2} \times \frac{3}{8}$	...	4/3	5/3	6/6
		each.		

**No. 2892.**



**Cup and Ball Joints.**

With Drop, Female, for Iron.

Sizes	$\frac{1}{4}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2} \times \frac{3}{8}$	$\frac{1}{2}$ in.
Price	17/-	21/-	22/-	24/-	25/- doz.

**No. 2893.**



**Heavy Cup and Ball Joint.**

With Drop, Female, for Iron.

Sizes	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 in.
Price	2/6	3/-	4/6	6/- each.

**No. 2896.**



**Lacquered Ring Galleries.**

With 3 Screws.

$\frac{3}{8}$  in. 5/6 per doz.

With 3 Screws.

To fit 3-in. Glass 8/- per doz.

To fit 4-in. Glass 9/- „

**No. 2897.**



**Lacquered Stamped Galleries.**

$\frac{3}{8}$  in. 2/- per doz.

**No. 2895.**



**Plain Cast Galleries.**

1 Screw.

$\frac{3}{8}$  in. 4/- per doz.



## GAS FITTINGS.

No. 2900.

Union Joints.  
Tinned Ends.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$   $1$  in.  
Price **3/3 3/6 4/9 7/- 8/6 12/-** doz.

No. 2901.

Tightened Union Joints.  
Tinned Ends.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$   $1$  in.  
Price **4/3 5/- 6/6 9/- 12/- 19/-** doz.

No. 2902.



Union Joints.

Female Ends, for Brass.

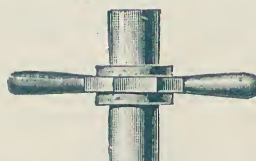
Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$   $1$  in.  
Price **3/3 3/6 3/9 4/9 6/9 9/6** doz.

No. 2903.

Male and Female Union Joint.  
For Brass.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$   $1$  in.  
Price **4/- 4/6 5/6 7/6 12/-** doz.

No. 2904.

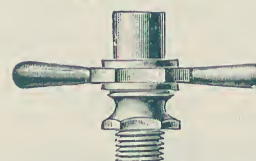


Tightened Union Joints.

Female Ends, Fly Caps, for Brass.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$   $1$  in.  
Price **5/6 6/6 10/-** doz.

No. 2905.

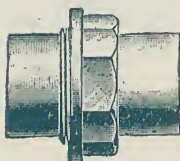


Tightened Nipple Unions.

Male and Female, Fly Caps, for Brass.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$   $1$  in.  
Price **5/6 6/- 7/3 10/6 16/-** doz.

No. 2906.



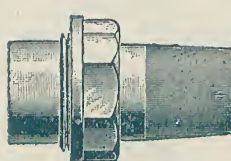
Barrel Unions.

Screwed Female, for Iron.

Sizes  $\frac{1}{8}$   $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.  
Price **4/- 4/6 7/- 9/3 13/6** doz.

Sizes  $1$   $1\frac{1}{4}$   $1\frac{1}{2}$   $2$  in.  
Price **21/- 31/- 46/- 81/-** doz.

No. 2907.



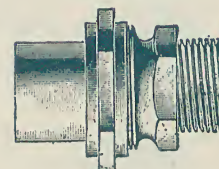
Barrel Unions.

Female, and Tinned Ends, for Iron.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.  
Price **4/6 7/- 9/3 13/6** doz.

Sizes  $1$   $1\frac{1}{4}$   $1\frac{1}{2}$   $2$  in.  
Price **21/- 31/- 46/- 81/-** doz.

No. 2908.



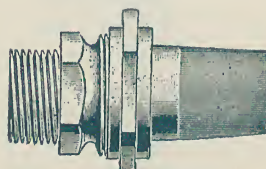
Nipple Unions.

Male and Female, for Iron.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.  
Price **5/3 7/6 11/6 17/-** doz.

Sizes  $1$   $1\frac{1}{4}$   $1\frac{1}{2}$   $2$  in.  
Price **25/- 44/- 64/- 115/-** doz.

No. 2910.



Nipple Unions.

Male and Tinned End, for Iron.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.  
Price **5/3 7/6 11/6 17/-** doz.

Sizes  $1$   $1\frac{1}{4}$   $1\frac{1}{2}$   $2$  in.  
Price **25/- 44/- 64/- 115/-** doz.

No. 2911.

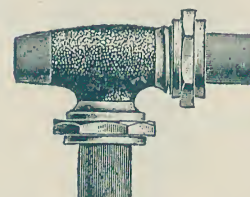


Caps and Linings.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.  
Price **1/9 2/6 3/6 4/6** doz.

Sizes  $1$   $1\frac{1}{4}$   $1\frac{1}{2}$   $2$  in.  
Price **8/- 12/- 17/- 29/-** doz

No. 2912.

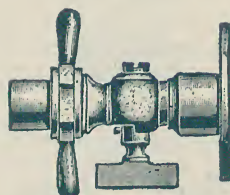


Union Tees.

Tinned Ends.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.  
Price **6/- 7/- 9/- 13/- 18/-** doz.

No. 2913.

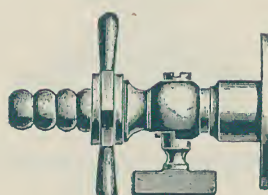


Flexible Tube Backs.

For Brass.

Sizes  $\frac{3}{8}$   $\frac{1}{2}$  in.  
Price **1/6 1/9** each.

No. 2914.

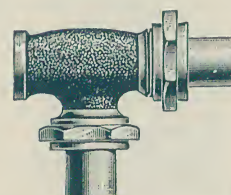


Flexible Tube Backs.

With Corrugated Outlets.

Sizes  $\frac{3}{8}$   $\frac{1}{2}$  in.  
Price **1/9 2/-** each.

No. 2916.



Union Tees.

Screwed Female, for Brass.

Sizes  $\frac{1}{4}$   $\frac{3}{8}$   $\frac{1}{2}$   $\frac{3}{4}$  in.  
Price **6/- 7/- 9/- 13/- 18/-** doz.

Awards for Excellence of Machines and Tools:



## GAS BRACKETS.

No. 2920.



Stiff Cock-up Bracket.

No. 2920.	$\frac{1}{2}$ x 6 in.	...	...	...	...	1/4	each.
" 2921.	$\frac{1}{2}$ x 6 or 8 in.	...	...	...	...	1/11	"
" 2922.	$\frac{1}{2}$ x 9 in.	...	...	...	...	3/6	"

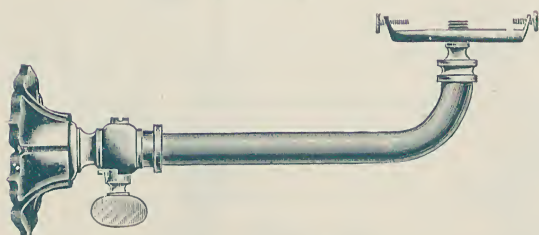
No. 2930.



Single Swing Bracket.

No. 2930.	$\frac{1}{2}$ x 12 in.	...	...	...	...	1/10	each.
" 2931.	$\frac{1}{2}$ x 12 in.	...	...	...	...	2/6	"
" 2932.	$\frac{1}{2}$ x 12 in.	...	...	...	...	3/6	"

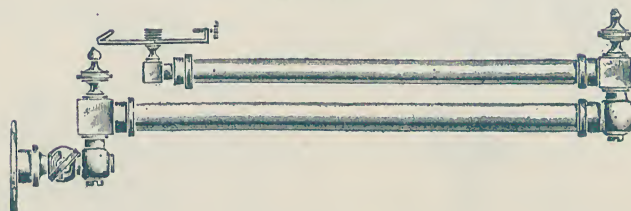
No. 2940.



Stiff Cock-up Bracket.  
Fluted Back.

No. 2940.	$\frac{1}{2}$ x 6 in.	...	...	...	...	2/-	each.
" 2941.	$\frac{1}{2}$ x 6 or 8 in.	...	...	...	...	2/3	"
" 2942.	$\frac{1}{2}$ x 9 in.	...	...	...	...	4/-	"

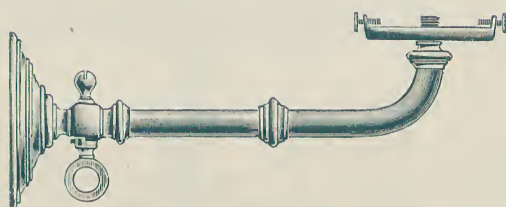
No. 2950.



Double Swing Bracket.

No. 2950.	$\frac{1}{2}$ x $\frac{3}{4}$ x 24 in...	...	...	...	...	3/3	each.
" 2951.	$\frac{1}{2}$ x $\frac{1}{2}$ x 24 in...	...	...	...	...	5/-	"

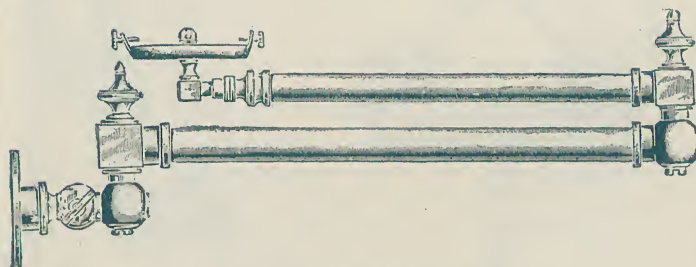
No. 2955.



Stiff Cock-up Bracket.  
Ring Key.

No. 2955.	$\frac{1}{2}$ x 10 in.	...	...	...	...	4/-	each.
" 2956.	$\frac{1}{2}$ x 10 in.	...	...	...	...	5/-	"
" 2957.	$\frac{3}{4}$ x 10 in.	...	...	...	...	6/-	"

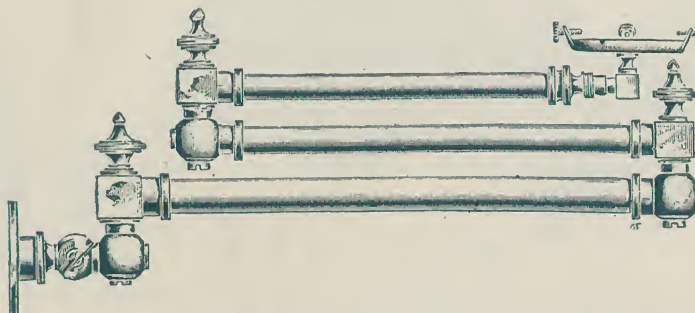
No. 2965.



Double Swing Bracket.  
Strong.

No. 2965.	$\frac{5}{8}$ x $\frac{1}{2}$ x 24 in...	...	...	...	...	7/6	each.
" 2966.	$\frac{3}{4}$ x $\frac{1}{2}$ x 24 in...	...	...	...	...	9/-	"

No. 2970.



Treble Swing Bracket.

No. 2970.	$\frac{5}{8}$ x $\frac{1}{2}$ x $\frac{3}{4}$ x 36 in.	...	...	...	...	7/-	each.
" 2971.	$\frac{3}{4}$ x $\frac{1}{2}$ x $\frac{3}{4}$ x 36 in.	...	...	...	...	10/-	"

Bronze Medal, 1884.—Gold Medal, 1890.



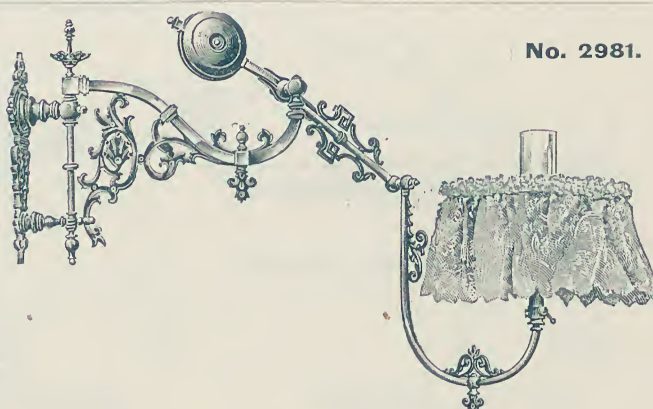
## PATENT "SURPRISE" BRACKETS AND PENDANTS.



No. 2890.

Projection,  
10 in.

Polished Brass Stiff  
Bracket... .. £ 1 8 9  
Patent Opal and Sarsnet Silk  
Shade, No. 207 ... 0 8 0  
£1 16 9

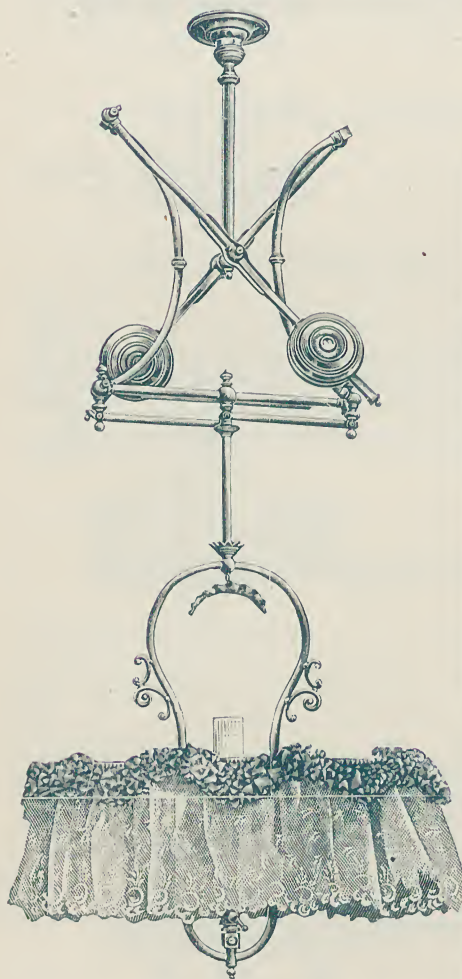


No. 2981.

Polished Brass Bracket... .. £ 3 4 0  
9-in. Florentine Silk and Lace Shade Holder for ditto ... 0 11 0  
£3 15 0

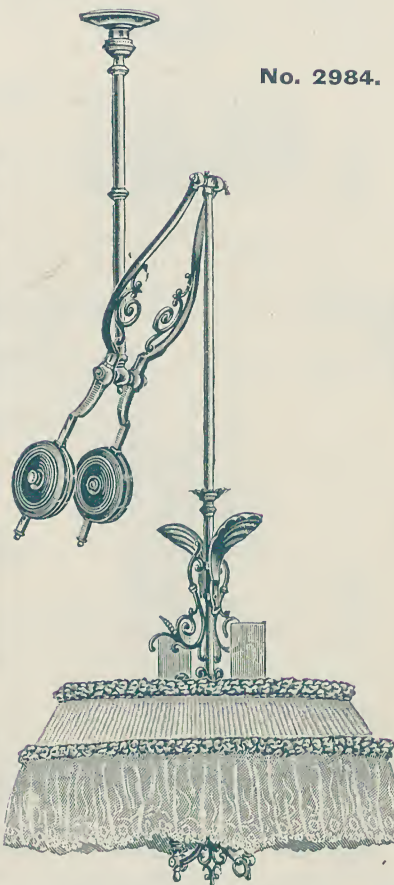
Greatest projection 33 inches.

No. 2983.



	Bronzed.	Polished.
	£ s. d.	£ s. d.
1-light Pendant ...	3 5 0	3 15 0
19-in. Silk and Lace Shade	1 2 9	1 2 9
	£4 7 9	£4 17 9

No. 2984.



	Bronzed.	Polished.
	£ s. d.	£ s. d.
2-light Pendant	3 9 6	4 0 6
19-in. Florentine Silk and Lace	1 9 0	1 9 0
Complete	£4 18 6	£5 9 6

No. 2985.

Length, 4 ft.

**Wrought-  
Brass  
Hall Lamp,**  
with Opalescent  
Satin'd Cylinder  
(8 in. diam.  
at bottom).

52/-

No. 3960

is same pattern  
finished in  
smooth Polished  
Brass,

52/-



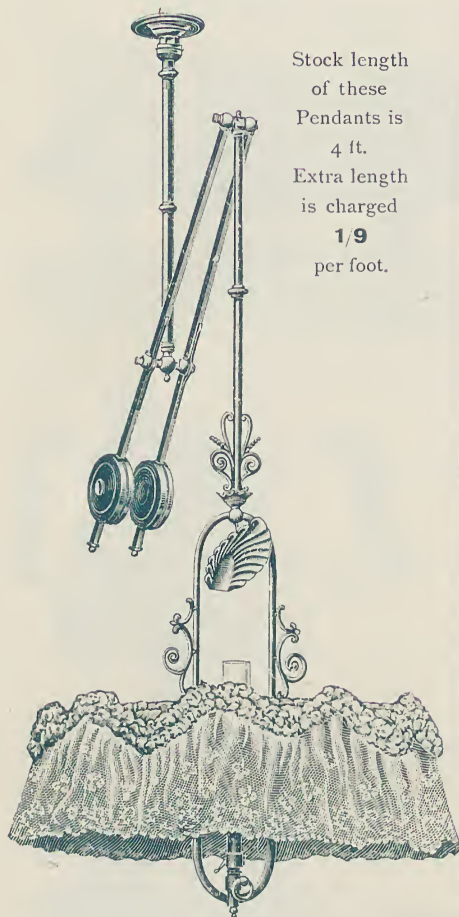
Prices are exclusive of Burners, and Chimneys.

Awards for Excellence of Machines and Tools:



**PATENT "SURPRISE" GAS PENDANTS.**

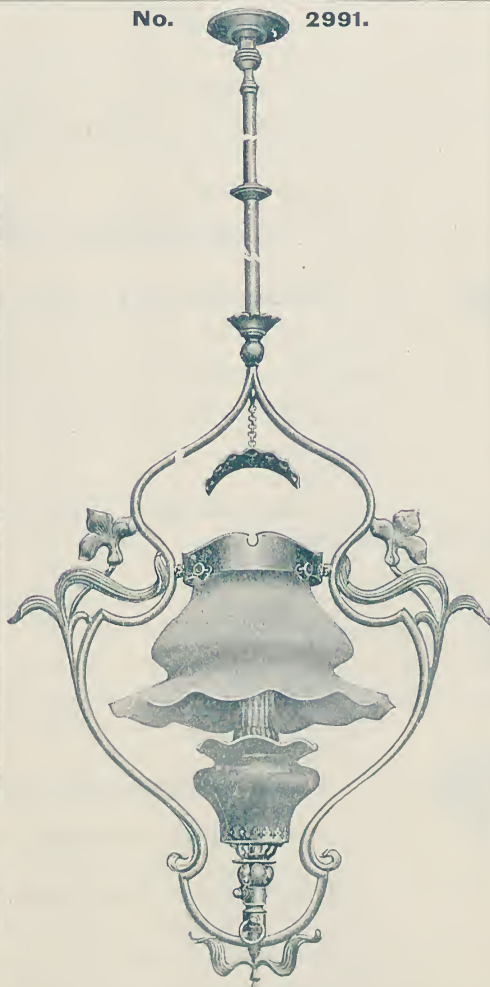
**No. 2990.**



Stock length  
of these  
Pendants is  
4 ft.  
Extra length  
is charged  
**1/9**  
per foot.

	Bronzed.	Polished Brass.
<b>Pendant</b> ... ..	<b>45/6</b>	<b>59/-</b>
19-in. Cotton and Lace Shade, Patent ... ..	<b>18/-</b>	<b>18/-</b>
Complete ... ..	<b>63/6</b>	<b>77/-</b>

**No. 2991.**

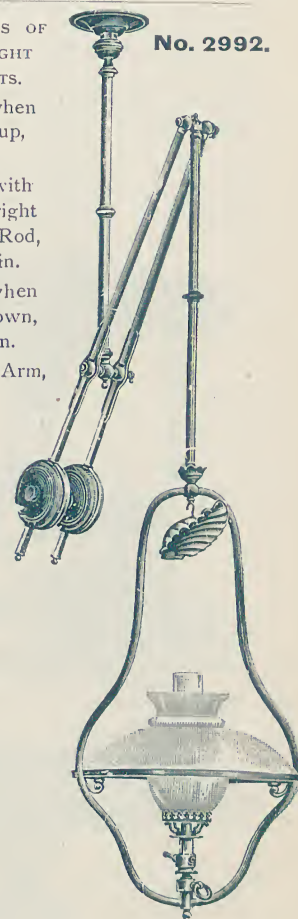


**Brass Pendant,**

with 12½ in. Opalescent Shade and Eye Screen.	
Bronzed ... ..	<b>44/9</b>
Polished Brass ... ..	<b>49/-</b>

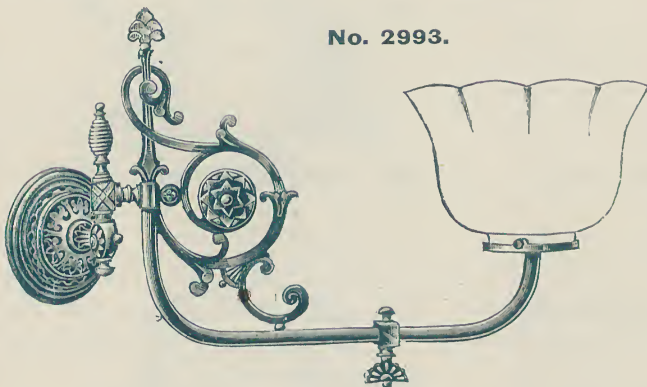
**DIMENSIONS OF  
ALL 1-LIGHT  
PENDANTS.**  
Length when  
pushed up,  
4 ft.  
Length with  
Arm at right  
angles to Rod,  
5 ft. 3 in.  
Length when  
drawn down,  
6 ft 6 in.  
Radius of Arm,  
15 in.

**No. 2992.**



	Bronzed.	Polished Brass.
<b>Pendant</b> ... ..	<b>45/6</b>	<b>56/6</b>
12-in. Opal Shade and Eye Screen ... ..	<b>2/3</b>	<b>2/3</b>
Complete ... ..	<b>47/9</b>	<b>58/9</b>
If with Pink Shade and Eye Cup, 2/3 extra.		

**No. 2993.**



Projection, 14½ in.

**Brass Swing Bracket.**

Bronzed ... ..	<b>10/9</b>
Polished Brass ... ..	<b>13/6</b>

**No. 2994.**

Projection, 9 in.



<b>Polished Brass Stiff Bracket</b> ... ..	<b>37/9</b>
Opalescent Iris pattern Glass ... ..	<b>7/-</b>
	<b>44/9</b>

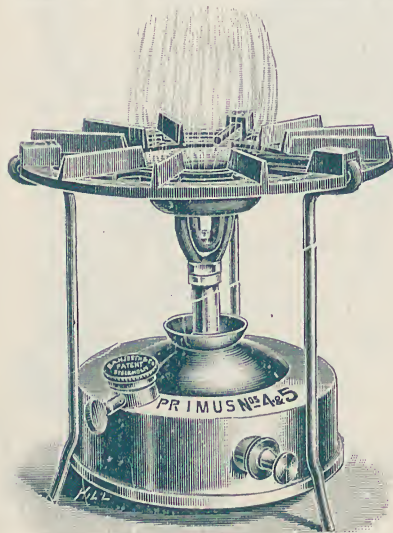
Prices are exclusive of Burners and Chimneys.

**Bronze Medal, 1884.—Gold Medal, 1890.**



**THE "PRIMUS" COOKING STOVES.****No. 2300.**

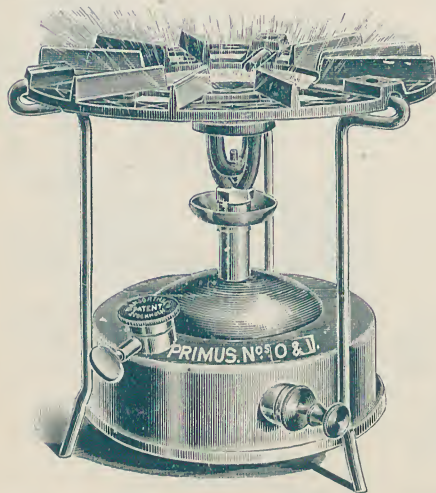
**EXPLANATION.**—The tank is to be filled with Paraffin, and the little cup under the burner with Methylated Spirit. This spirit will, when ignited, heat the burner. In the hot burner the Paraffin will be transformed into Paraffin Gas, and this Gas will burn with a BLUE AND INTENSELY HOT FLAME. It is only required to pump occasionally to raise the flame. When required the flame may be lowered by opening the air-valve for a second or two. The flame is put out by leaving the air-valve open.

**NOISELESS and SELF-IGNITING. No. 4 and 5.**

The Primus Nos. 5 and 4 burn as quietly as a Gas Stove, almost without noise, and the flame lights itself. No pumping is therefore necessary till a convenient time after the Stove is alight. Pumping afterwards is only required once an hour for ordinary cooking. Nos. 5 and 4 are recommended for general family use inside the house.

<b>Primus No. 5</b>	holds $2\frac{1}{4}$ pints Paraffin	...	...	Price <b>13/-</b>
" <b>4</b>	" $1\frac{5}{8}$ "	...	...	" <b>11/-</b>

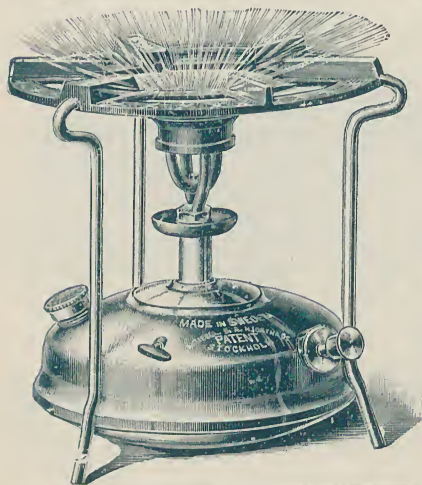
Made of Brass, polished.

**Dr. NANSEN'S COMPANION IN THE NORTH.****The ORIGINAL PATTERN. No. 0 and 1.**

The Primus Nos. 1 and 0 have stood the test for over seven years in daily use in thousands of families. Either of these patterns is recommended where a little noise is not objected to. Otherwise, see Nos. 5 and 4. For outside use the Primus Nos. 1 and 0 are preferable, as they are less sensitive to draught.

<b>Primus No. 1</b>	holds $2\frac{1}{4}$ pints Paraffin	...	...	Price <b>13/-</b>
" <b>0</b>	" $1\frac{5}{8}$ "	...	...	" <b>11/-</b>

Brass, polished.

**PRIMUS No. 21 and 25. NEW PATTERN.**

Some saving has been effected in the construction of the new **Primus Nos. 21 and 25**. The Iron Top-ring is not Gold-bronzed. The Brass Tank is of a shape that can be stamped cheaper than the No. 1 and No. 5. Hence the lower price. The Burners and Efficiency are exactly the same as the No. 1 and No. 5.

<b>Primus No. 21</b>	(with Original No. 1 Burner)	...	Price <b>12/-</b>
" <b>25</b>	" Noiseless " 5 "	...	" <b>12/-</b>

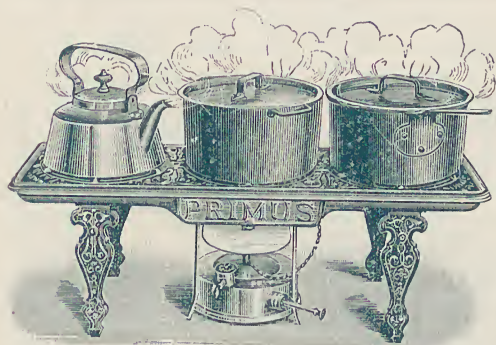
Oil capacity, 2 pints. Brass, polished.

**Awards for Excellence of Machines and Tools:**



## APPARATUS FOR "PRIMUS" COOKING STOVES.

### No. 2301.



This Range will fry, cook, or boil three dishes more quickly than the best coal fire. Immediately the Stove is lighted the heat passes through the flue to both ends of the Range.

The Range is of Cast Iron and well finished. The centre place is the principal one for boiling, etc. The two end places are very convenient to keep a dish simmering, for stewing pans, etc.

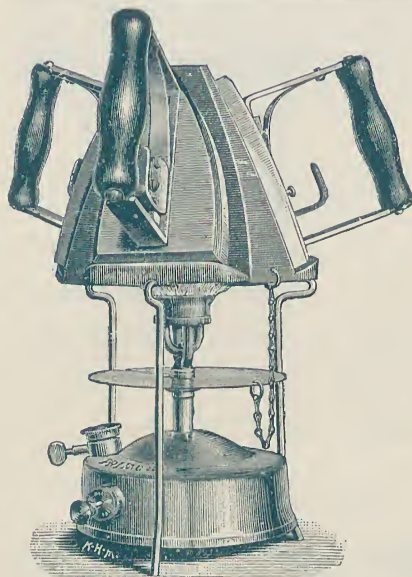
Price of Range (without utensils) ... .. 14/6 each.

"Primus" Stove, extra.

Length 27 in. Width  $9\frac{1}{2}$  in. Height 9 in. Weight of Range 26 lb.

### THE LAUNDRY IRON HEATER.

#### No. 2302.



Will keep the Smoothing Irons constantly at a uniform heat for any kind of ironing. If four irons are used, two Ironers will always have well-heated irons at their service. The Iron Heater is made of Cast Iron, and is removable, so that the "PRIMUS" Stove may also be used for cooking purposes.

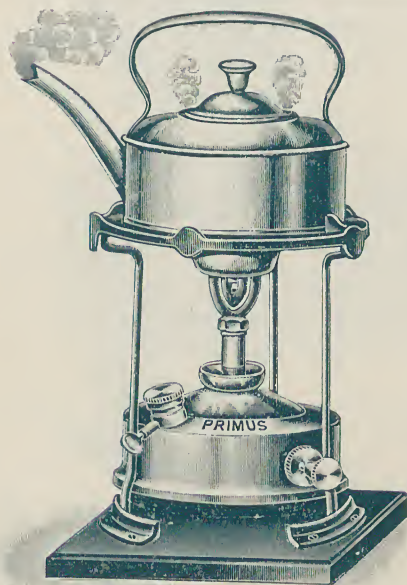
Price of the Iron Heater (without irons) ... .. 2/9 each.

Stove extra.

We also supply from stock various patterns and in sets with detachable handle.

### No. 2303.

### THE YACHTING TOP RING.



Clips on to the legs of the "Primus." The two sides are cast with stops, the one so as to hold any ordinary 7-in. flat bottom kettle, and the second is made to hold a frying pan or  $8\frac{1}{2}$ -in. bottom kettle. The usefulness of this Top Ring will at once be apparent to all yachtsmen.

Price 1/3 each.

### THE "HOLDFAST" PRIMUS STAND. FOR YACHTING AND HOME USE.

The iron grips are screwed on to a black enamelled wood board in such a position as to hold the stove perfectly fast. This stand is again provided with screws to fix to a deck or table.

To fix the Stove on the "Holdfast" it is only necessary to slide the three legs under the overlapping edges of the grips from right to left.

Price 1/3 each.

Showing the "Yachting Top Ring" and "Holdfast"  
Primus Stand in use on board a Yacht.

Patent Oven, made from stout sheet iron and japanned black, sizes  $22\frac{1}{2}$  in. long,  $13\frac{1}{2}$  in. deep  $\times$  21 in. high. Inside,  $12\frac{3}{4}$   $\times$   $12\frac{3}{4}$  in.

Bronze Medal, 1884.—Gold Medal, 1890.



## CAST IRON CISTERN BRACKETS

(Patented).

No. 2304.



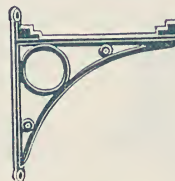
Sizes 8 10 in.  
Price **2/3** **2/6** per pair.

No. 2305.



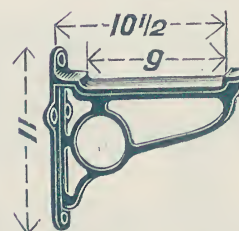
Sizes 8 10 in.  
Price **1/6** **1/9** per pair.

No. 2306.



Patent Combination.  
Sizes 7 8 10 in.  
Price **1/-** **1/3** **1/6** per pair.

No. 2307.



Price **2/6** per pair.

No. 2308.



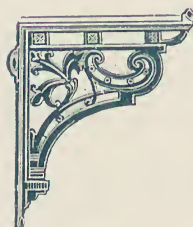
**Closet Seat Bracket.**  
16 in. x 10 in. out of Wall.  
Price **4/-** per pair.

No. 2309.



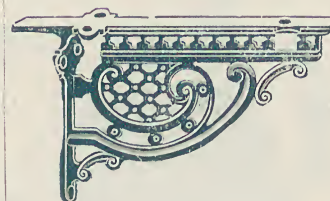
Strong Pattern.  
Sizes  $10\frac{1}{2}$  12 in.  
Price **3/9** **4/-** per pair.

No. 2310.



Strong Pattern.  
Sizes 10 12 in.  
Price **3/3** **3/6** per pair.

No. 2311.

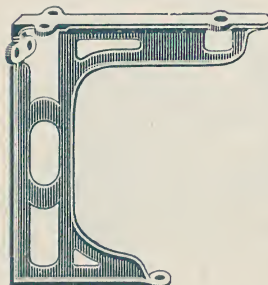


**Closet Seat Bracket.**  
16 in. x 10 in. out of Wall.  
Price **7/-** per pair.

## CAST IRON SEAT PEDESTALS

(Patented).

No. 2312.



16  $\frac{3}{4}$  in. high ... **8/-** per pair.

No. 2313.



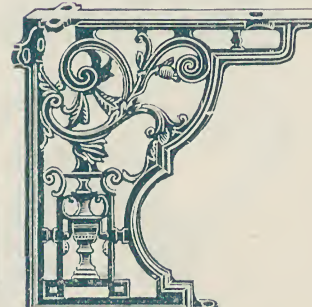
17 in. high ... **11/-** per pair.

No. 2314.



17  $\frac{1}{4}$  in. high ... **6/6** per pair.

No. 2315.



17 in. high ... **9/6** per pair.

No. 2316.



17 in. high ... **10/6** per pair.

No. 2317.

**Closet Seat.**

Plain Pattern.

Deal or Pine, unpolished	...	<b>8/9</b>	each.
Pine, polished	...	<b>10/6</b>	"
Mahogany, polished..	...	<b>15/6</b>	"
Walnut	...	<b>16/6</b>	"

No. 2318.

**Hinged Covered Seat.**

Pryke's Seat with Hinged Flap.

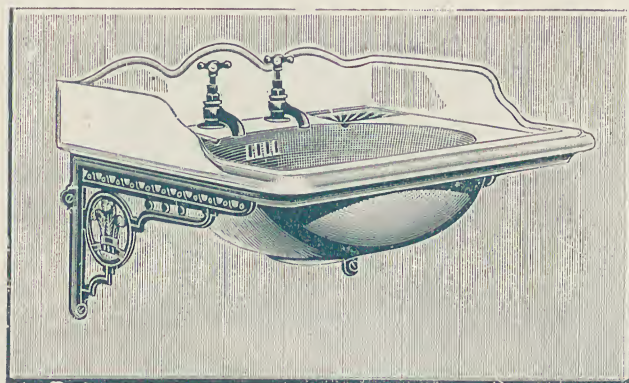
Polished Mahogany...	...	<b>32/-</b>	each.
" Walnut	...	<b>33/6</b>	"

Awards for Excellence of Machines and Tools:



## LAVATORIES.

**No. 2320.**



Fine Cast and Painted, with Basin, Gun Metal Hot and Cold Taps, Plug and Waste, with Union complete as drawn.

Sizes of Basins 22 x 16 25 x 17 27 x 19 in.

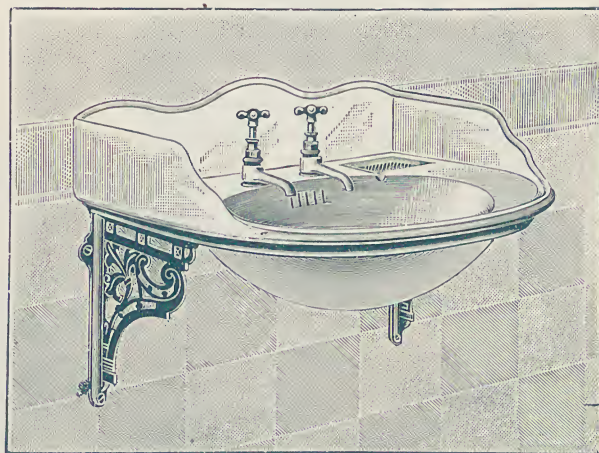
**No. 2320.** As drawn ... 59/- 66/- 75/- each.

**No. 2321.** Without Skirting 55/- 62/- 70/- each.

Special Finish, 10/6 each extra.

Extra for Wooden Bed, 3/- each.

**No. 2323.**



Fine Cast and Painted, with Basin, Gun Metal Hot and Cold Taps, Plug and Washer, with Union complete as drawn.

Sizes of Basins 25 x 18 in.

**No. 2323.** As drawn ... 80/- each.

**No. 2324.** Without Skirting... 76/- each.

Special Finish, 10/6 each extra.

Extra for Wooden Bed, 3/- each.

**No. 2327.**



Enamel Painted, with Basin, Gun Metal Hot and Cold Taps, Plug and Washer, with Union complete as drawn.

Basin 24 x 20 in.

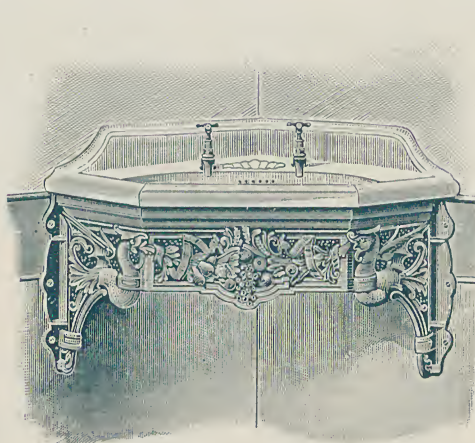
**No. 2327.** Fine Cast and Painted ... 63/- each.

**No. 2328.** Without Skirting... 55/6 each.

**No. 2329.** Special Finish ... 67/6 each.

Wood Bed for ditto, 3/- extra.

**No. 2332.**



Enamel Painted, with Basin, Gun Metal Hot and Cold Taps, Plug and Washer, with Union complete as drawn.

Sizes of Basin 27 x 20 in.

**No. 2332.** As drawn ... 66/- each.

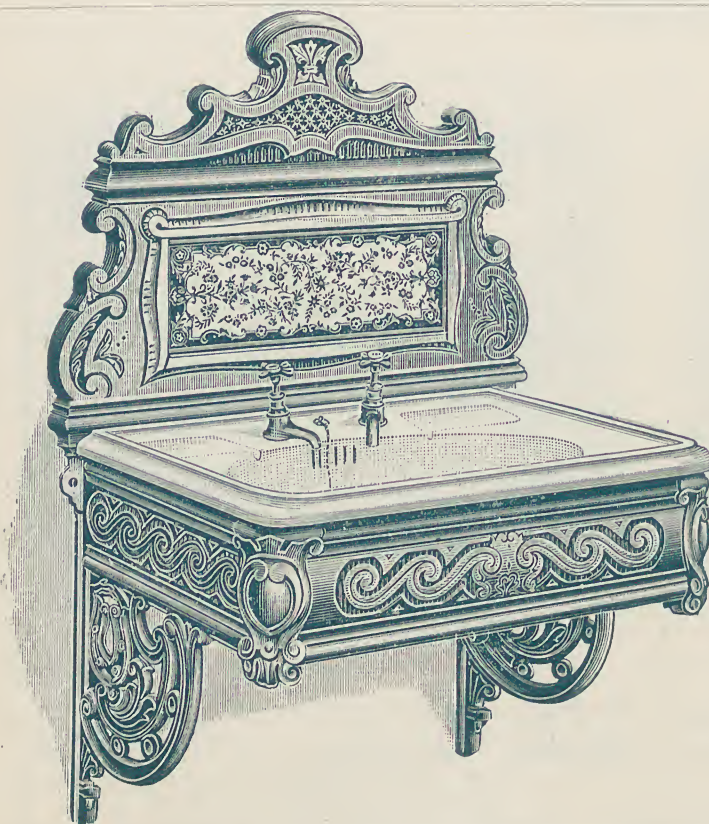
**No. 2333.** Without Skirting... 62/- each.

**No. 2334.** Special Finish ... 71/- each.

Wood Bed for ditto, 3/- extra.



## LAVATORIES.



**No. 2335.**

### LAVATORY.

(REGISTERED DESIGN.)

New Pattern, Enamel Painted, with best quality Earthenware Basin, Gun Metal Hot and Cold Taps, Washer and Plug, with Union Fancy Tile Back, etc., complete, as drawn.

Size of Basins 25 x 17 27 x 19 in.

<b>No. 2335.</b>	Complete as drawn ...	<b>76/-</b>	<b>80/-</b>	each.
„ <b>2336.</b>	Second Finish ...	<b>93/6</b>	<b>97/6</b>	„
„ <b>2337.</b>	Best Finish ...	<b>107/-</b>	<b>110/-</b>	„
„ <b>2338.</b>	If without Iron Back, but with Skirting round Basin, as No. 2340 ...	<b>72/-</b>	<b>75/-</b>	„

**Nos. 2336 and 2337**, Enamelled, painted in Art Colours or Imitation Woods, stove dried, and relieved in gold.

**No. 2340.**

### LAVATORY STAND.

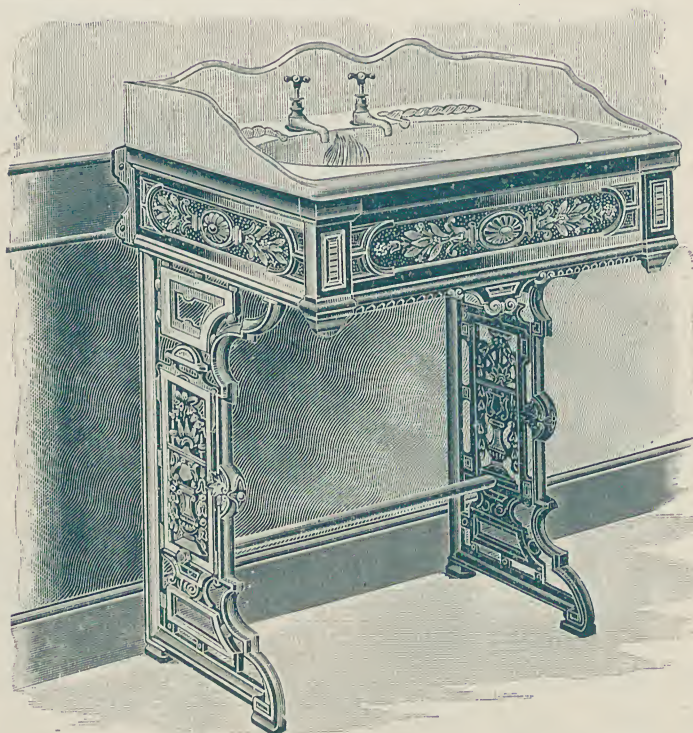
Oblong, Enamel painted, with best quality Earthenware Basin, with Skirting, Gun Metal Hot and Cold Taps, Washer and Plug, with Union, complete, as drawn.

Size of Basins 22 x 16 25 x 17 27 x 19 in.

<b>No. 2340.</b>	Complete as drawn	<b>72/6</b>	<b>80/-</b>	<b>85/-</b>	each.
„ <b>2341.</b>	Second Finish ...	<b>85/-</b>	<b>92/-</b>	<b>97/6</b>	„
„ <b>2342.</b>	Best Finish ...	<b>90/-</b>	<b>96/-</b>	<b>101/-</b>	„
	If without Skirting	<b>5/3</b>	<b>5/9</b>	<b>5/9</b>	less.

Wood Bed for ditto, **2/-** extra.

Fitted with Brass Towel Rail on one side, **5/-** extra.



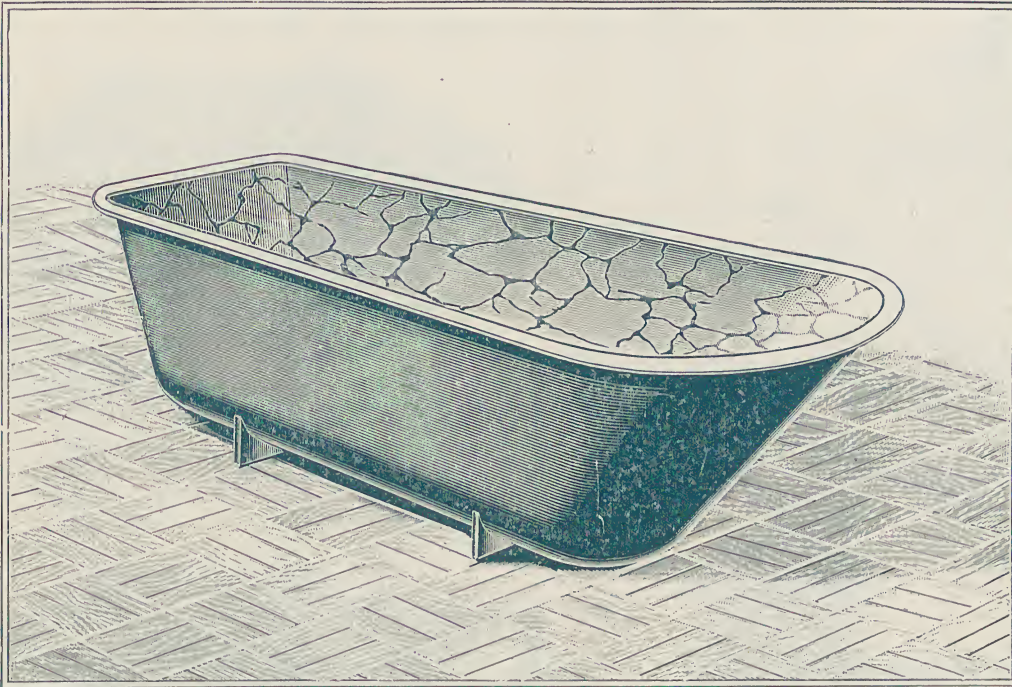
We shall be pleased to have inquiries for all kinds of Lavatories for Schools, Asylums, and Public Institutions.

Full Illustrated List on application.

**Awards for Excellence of Machines and Tools :**



## CAST IRON BATHS.



### Cast Iron Bath.

Flat Edge for Wood Casing.

#### No. 2350.

Metallic, Enamelled Sienna.

Sizes ... 5 ft. 5 ft. 6 in.

**38/- 44/-** each.

#### No. 2351.

Second Finish, Enamelled  
Sienna.

Sizes ... 5 ft. 5 ft. 6 in.

**54/- 60/-** each.

#### No. 2352.

Best Extra Hard Enamelled.

Sizes ... 5 ft. 5 ft. 6 in.

**70/- 76/-** each.

### Cast Iron Roman shape Bath. With Ornamental Feet.

With  $2\frac{1}{4}$  in. Rolled Edge.

**No. 2356.** 5 ft. 5 ft. 6 in.  
Metallic Enamelled Sienna... **49/- 54/-**

**No. 2357.**  
Second Finish ... **64/- 69/-**

**No. 2358.**  
Best Extra Hard Enamelled  
Sienna ... **82/6 87/6**

With  $2\frac{1}{2}$  in. Rolled Edge.

**No. 2359.**  
Metallic Enamelled Sienna... **58/-**

**No. 2360.**  
Second Finish ... **75/-**

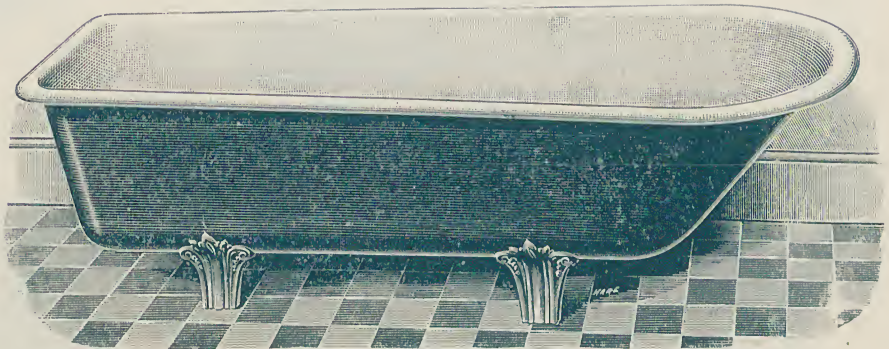
**No. 2361.**  
Best Extra Hard Enamelled ... **95/-**

With  $2\frac{1}{2}$  in. Rolled Edge.

**No. 2362.**  
Metallic Enamelled Sienna... **59/-**

**No. 2863.**  
Second Finish ... **77/6**

**No. 2364.**  
Best Extra Hard Enamelled ... **100/-**



#### No. 2366.

### Cast Iron Combination Bath.

With 3 in. Rolled Edge, best quality Gun Metal  
Fittings, Porcelain Enamelled Soap Trays.

Trapped above Floor Line, and with loose In-  
spection Grating, giving easy access to Bath for  
cleaning purposes.

Length over all ... 6 ft.  $1\frac{1}{2}$  in.

" Inside ... 5 ft. 7 "

Breadth at Shoulders ...  $23\frac{1}{2}$  "

" " Feet ... 19 "

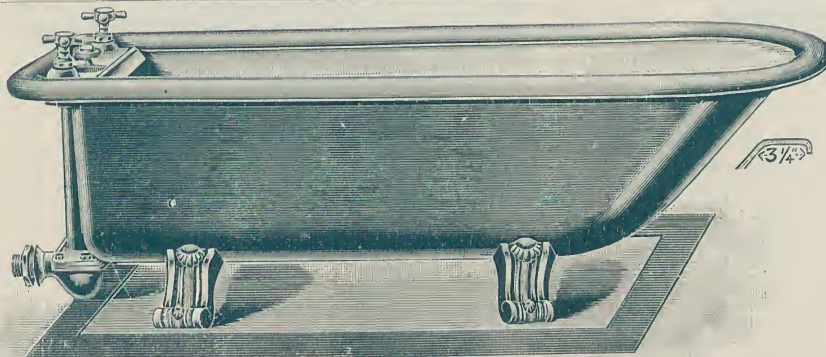
Depth Inside ... 18 "

Flange ...  $3\frac{1}{4}$  "

**No. 2366.** Metallic Enamelled **100/-** each.

" **2367.** Second Finish ... **126/-** "

" **2368.** Best Hard Enamelled **136/-** "



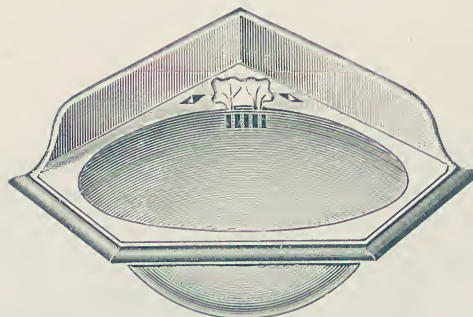
Bronze Medal, 1884.—Gold Medal, 1890.



**EARTHENWARE LAVATORY TOPS.****No. 2370.**

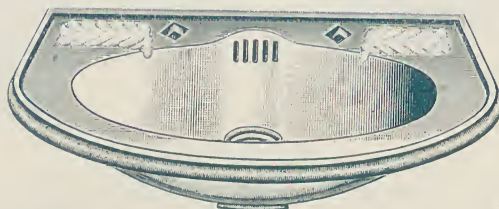
With Skirting.

Size over all.	Length of Sides.	Oval Basin.	White.	Marble.
24 x 20 in.	17½ in.	17 x 11½ in.	26/-	30/- each.
27 x 23 in.	18½ in.	18 x 14 in.	41/-	47/- "
Without Skirting.				
24 x 20 in.	17½ in.	17 x 11½ in.	22/-	25/- "
27 x 23 in.	18½ in.	18 x 14 in.	34/-	39/- "

**No. 2371.**

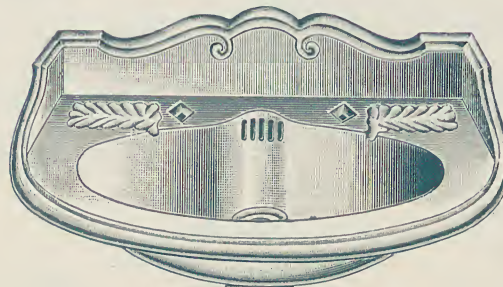
With Skirting.

Size over all.	Length of Sides.	Oval Basin.	White.	Marble.
24 x 18 in.	17 in.	15 x 10 in.	24/-	27/- each.
27 x 20 in.	19 in.	16½ x 11 in.	30/-	34/- "
Without Skirting.				
24 x 18 in.	17 in.	15 x 10 in.	20/-	23/- "
27 x 20 in.	19 in.	16½ x 11 in.	25/-	29/- "

**No. 2372.**

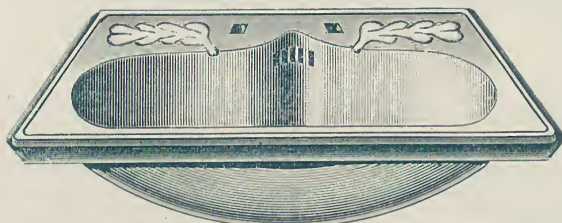
Without Skirting.

Sizes.	White or Ivory.	Prices. Marble.	Printed.
27 x 19 in.	27/6	32/-	33/- each.
25 x 18 in.	24/-	28/-	29/- "
22 x 19 in.	23/-	26/-	27/- "
22½ x 17 in.	21/-	24/-	25/- "
19 x 17 in.	17/-	20/-	21/- "

**No. 2373.**

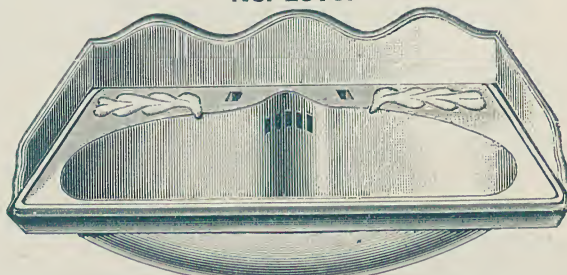
With Skirting.

Sizes.	White or Ivory.	Prices. Marble.	Printed.
27 x 19 in.	33/-	38/-	40/- each.
25 x 18 in.	29/-	34/-	35/- "
22 x 19 in.	27/-	31/-	33/- "
22½ x 17 in.	25/-	28/-	30/- "
19 x 17 in.	21/-	24/-	25/- "

**No. 2374.**

Without Skirting.

Sizes.	White or Ivory.	Prices. Marble.	Printed.
27 x 19 in.	28/-	32/-	33/- each.
26 x 18 in.	25/-	29/-	30/- "
25 x 18 in.	24/-	28/-	29/- "
22 x 16 in.	19/-	22/-	23/- "
20 x 16 in.	17/-	20/-	21/- "
19 x 17 in.	17/-	20/-	21/- "
18 x 18 in.	17/-	20/-	21/- "

**No. 2375.**

With Skirting.

Sizes.	White or Ivory.	Prices. Marble.	Printed.
27 x 19 in.	33/-	38/-	40/- each.
26 x 18 in.	30/-	35/-	36/- "
25 x 18 in.	29/-	34/-	35/- "
22 x 16 in.	23/-	32/-	33/- "
20 x 16 in.	21/-	27/-	28/- "
19 x 17 in.	21/-	24/-	25/- "
18 x 18 in.	21/-	24/-	25/- "

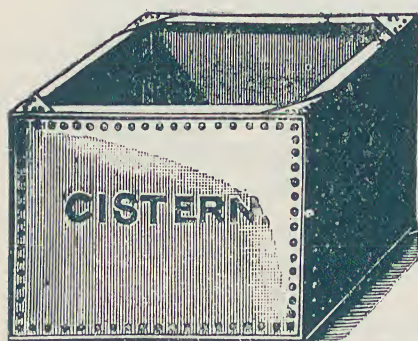
Lavatory Tops may be supplied with Shell Supply instead of Tap Holes if desired.  
The above sizes given are Stock sizes. Any other size we shall be pleased to supply on short notice.

**Awards for Excellence of Machines and Tools :**



## GALVANIZED OPEN CISTERNS, HOT WATER TANKS, Etc.

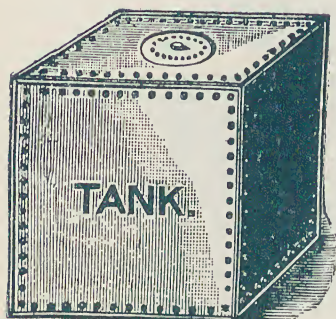
**No. 2380. Galvanized Iron Open Cistern.** Best quality and make. Stock sizes.



Galls.	Length.	Width.	Depth.	Steel, 16 gauge.	16 gauge.	14 gauge.	1/2 plate.	Galls.	Length.	Width.	Depth.	16 gauge.	14 gauge.	1/2 gauge.
	ft. in.	ft. in.	ft. in.	each.	each.	each.	each.		ft. in.	ft. in.	ft. in.	each.	each.	each.
20	1 10	1 4	1 4	—	16/6	18/-	20/-	150	3 7	2 5	2 10	56/-	72/-	88/-
25	2 0	1 4	1 6	16/6	18/-	22/-	27/-	175	4 0	2 6	2 10	62/-	80/-	97/-
30	2 0	1 6	1 8	18/-	20/-	26/-	31/-	200	4 0	2 9	3 0	69/-	87/-	106/-
40	2 7	1 6	1 8	21/-	23/6	32/-	36/-	250	5 0	2 9	3 0	83/-	101/-	120/-
50	2 7	1 7	2 0	25/-	27/-	36/-	44/-	300	5 6	3 0	3 0	99/-	117/-	136/-
60	2 8	1 8	2 2	28/6	31/-	41/-	51/-	400	6 0	3 6	3 2	—	144/-	175/-
70	2 10	1 10	2 2	31/-	33/6	45/-	56/-	500	6 6	3 8	3 6	—	167/-	202/-
80	3 0	2 0	2 2	35/-	37/-	50/-	62/-	600	7 0	4 0	3 6	—	—	245/-
100	3 0	2 2	2 6	37/-	42/-	55/-	67/-	700	7 10	4 1	3 7	—	—	262/-
100	4 0	2 0	2 0	43/-	45/-	57/-	75/-	800	7 10	4 8	3 7	—	—	283/-
125	3 4	2 3	2 9	—	48/-	63/-	79/-	900	7 10	5 2	3 7	—	—	302/-
								1000	7 10	5 9	3 7	—	—	325/-

**No. 2381. Galvanized Iron Hot Water Tank.**

Made same dimensions as Open Cistern.

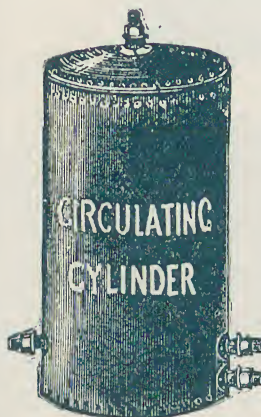


Galls.	14 gauge.	12 gauge or 1/2 plate bare.	11 gauge or 1/2 plate full.
	each.	each.	each.
20	26/-	35/-	50/-
25	33/-	40/-	57/-
30	43/-	45/-	65/-
40	49/-	52/-	83/-
50	56/-	60/-	90/-
60	61/-	64/-	103/-
80	75/-	80/-	123/-
100	89/-	95/-	139/-

All our Cisterns, Tanks, and Cylinders are Galvanized after they are made and TESTED before coming out of Works.

**No. 2382. Galvanized Round Hot Water Circulating Cylinder.**

Fitted with 4 Flanges, as required.

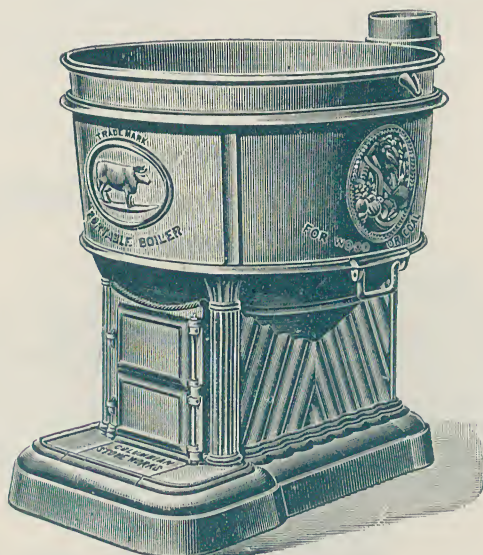


Galls.	Height.	Diam.	14 gauge 1/2 bottom.	1/2 plate.	3/4 plate.
	ft. in.	ft. in.	each.	each.	each.
20	2 9	1 3	46/-	64/-	78/-
22	2 6	1 6	49/-	64/6	84/-
25	2 9	1 6	52/-	65/6	91/-
30	3 3	1 6	57/-	72/-	105/-
33	3 6	1 6	64/-	75/-	112/-
37	2 9	1 8	57/-	72/-	109/-
40	3 0	1 8	66/-	73/-	116/-
46	3 6	1 8	65/-	79/-	131/-
53	4 0	1 8	70/-	87/-	145/-
58	3 3	2 0	—	94/-	153/-

If with Manhole, 3/- extra.  
If with India-rubber Ring for Manhole,  
3/- extra.

Also made in Copper. Prices on application.

**No. 2383.**



**Cast Iron Portable Boilers.**

With Galvanized Pans.

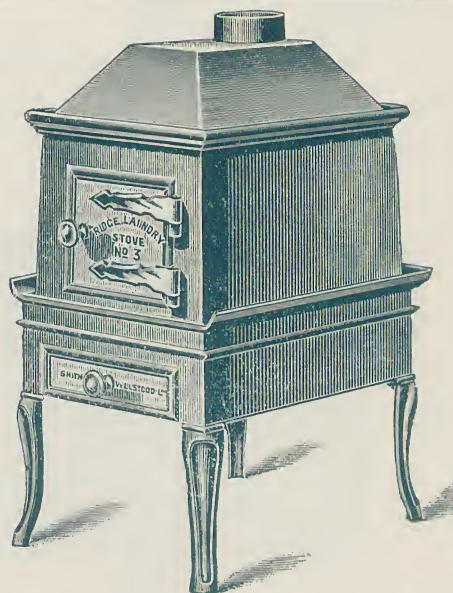
Sizes ...	6	8	10	12	15	20	25	galls.
Price ...	36/-	40/-	46/-	50/-	55/-	61/-	69/-	each.

If mounted on wheels, 16/- each extra.

**No. 2384.**

**New  
Laundry  
Stove.**

Can be supplied  
with Nozzles for  
Smoke Pipe on  
top or at back,  
with or without  
Fire-Brick Linings.



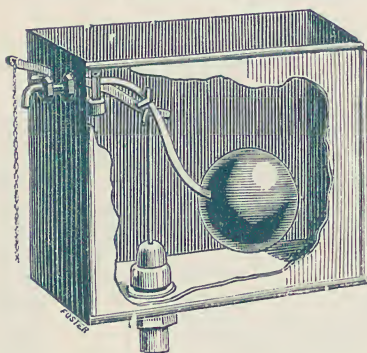
	Width over all.	Depth over all.	Height over all.	With Bricks.	Without Bricks
No. 1 ...	13	16	30	43/6	40/-
.. 2 ...	15 1/2	20	33	62/-	58/-
.. 3 ...	19 1/2	24	35	93/-	87/-
.. 4 ...	23 1/2	30 1/2	37	130/-	124/-

Bronze Medal, 1884.—Gold Medal, 1890.



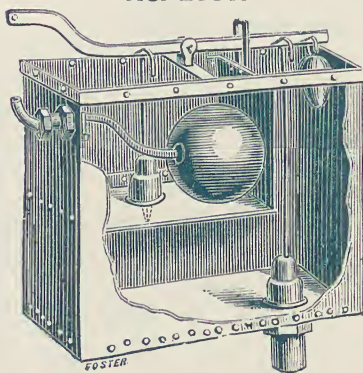
**GALVANIZED AND CAST IRON WATER WASTE PREVENTORS.**

No. 2386.

**Galvanized Single Action Water Waste Preventor.**

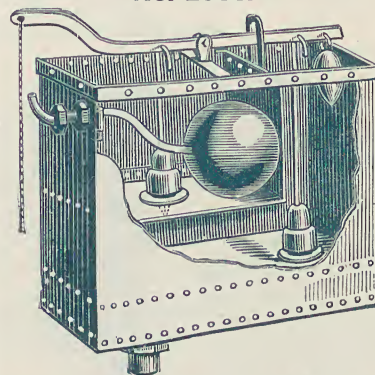
Price 8/6 each.

No. 2387.

**Galvanized Double Action Water Waste Preventor.**

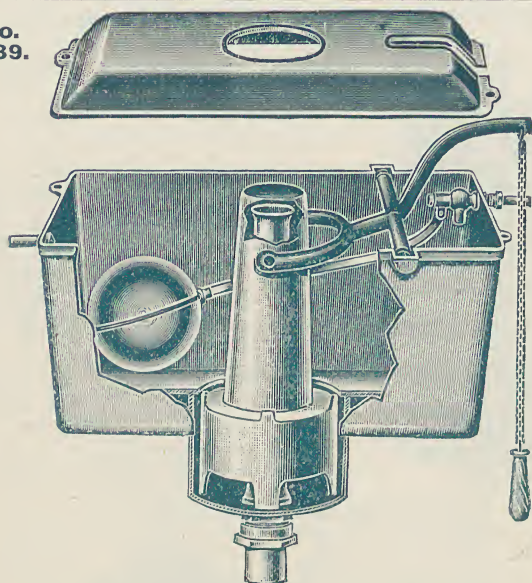
Price 9/6 each.

No. 2388.

**Galvanized Water Waste Preventor with After-flush.**

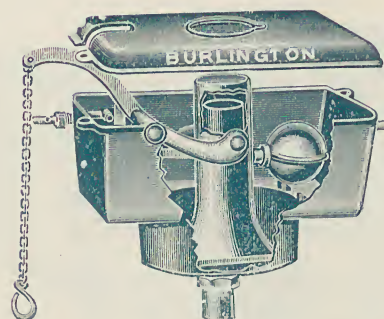
Price 13/- each.

No. 2389.

**Patent Valveless Syphon Cistern.**

Size	...	2	...	3	gallons.
Price painted	...	16/6	...	18/6	each.
„ galvanized	...	22/-	...	25/-	„

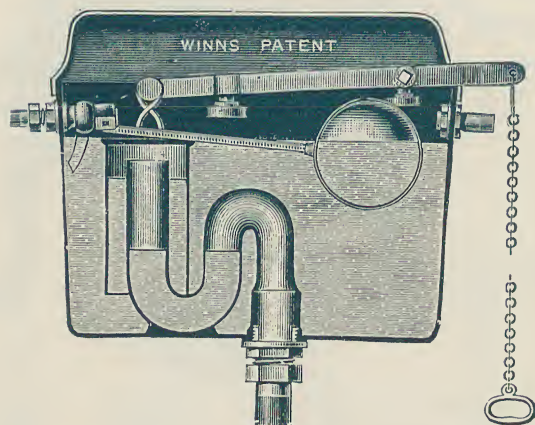
No. 2390.

**The "Burlington" Cast Iron Water Waste Preventor.**

Price	2 gallons	...	17/6	each.
„	3	„	20/-	„

Galvanized, 2 gallons 8/-, 3 gallons 10/- extra.

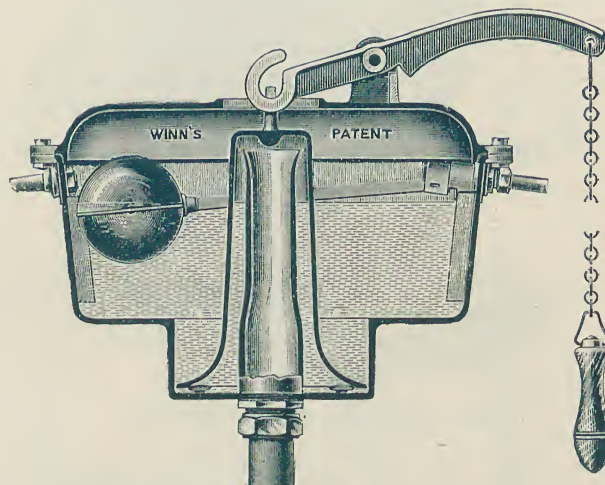
No. 2391.



Reversible in every way without disconnecting.

Size	2	...	3	gallons.
Price painted	...	22/-	...	25/- each.
„ galvanized	...	32/-	...	35/- „

No. 2392.

**Painted Cast Iron Cistern.**

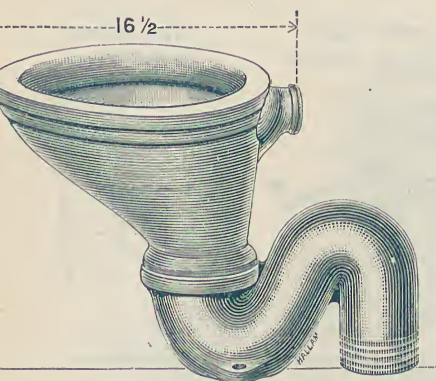
Sizes	1	2	3	gallons.
Price painted	...	23/-	23/-	27/- each.
„ galvanized	...	33/-	33/-	37/- „

**Awards for Excellence of Machines and Tools :**



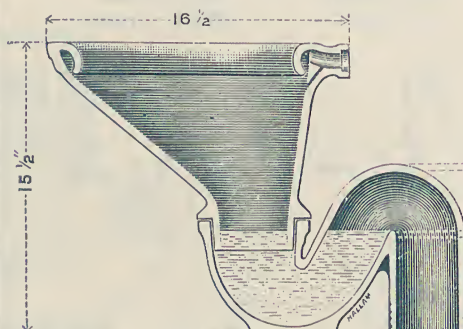
# WASH-OUT AND WASH-DOWN PEDESTAL CLOSETS AND URINALS.

No. 2396.



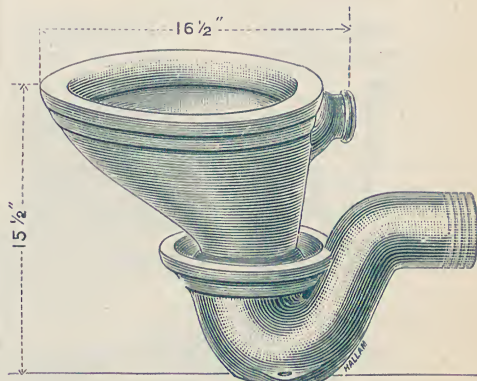
**Straight-Back County Council Pan and Trap.**

Cane and White Basin and Cane S. or P. Trap **6/9** each.  
All White Basin and all White S. or P. Trap **9/-** each.



**Section of No. 2396. Pan and Trap.**

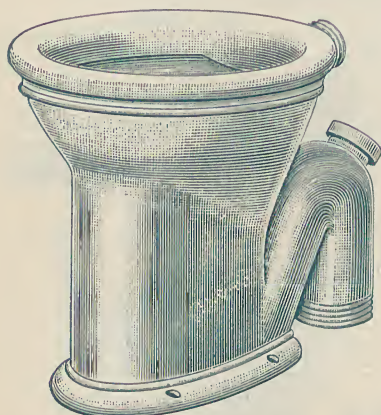
No. 2397.



**Straight-Back County Council Pan & Socketed Trap.**

Cane and White Basin and Cane S. or P. Trap **10/-** each.  
All White Basin and all White S. or P. Trap **15/-** each.

No. 2398.



**Pedestal Closet.**

Cane and White ... **16/-** each.  
White or Ivory ... **19/-** "  
White and Printed Inside **25/-** "

No. 2399.



**The "Derby."**

With Open Flushing Rim.

White	...	...	<b>22/-</b>	each.
White Printed In and Out	...	...	<b>28/-</b>	"
Decorated	...	...	<b>34/-</b>	"

S. or P. Trap.

No. 2400.

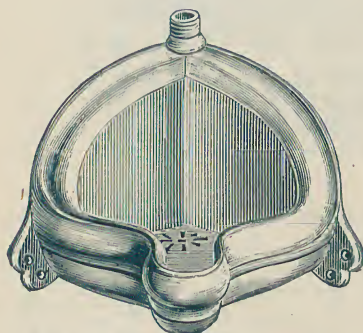


**The "Fetonian."**

With Open Flushing Rim.

Cane and White	...	...	<b>14/-</b>	each.
White Printed Inside	...	...	<b>19/-</b>	"

No. 2401.



**Lipped Angle Urinal.**

With Flushing Rim all round.

Height.	Width.	Length of Side.	Price, White.
10 in.	14 in.	10 in.	<b>17/6</b> each.
11 in.	16 in.	11 in.	<b>20/-</b> "
12 in.	17 in.	12 in.	<b>24/6</b> "

Marble **3/9** each extra.

No. 2402.



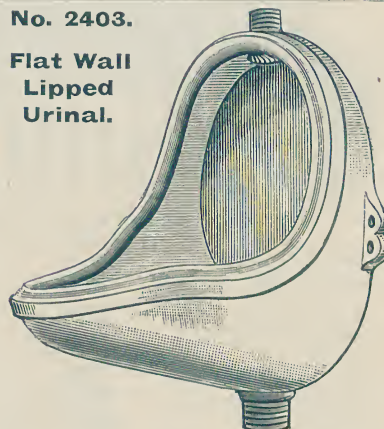
**Flat Wall Urinal.**

Height.	Width.	Price, White.
13 in.	9 1/2 in.	<b>11/-</b> each.
14 in.	12 in.	<b>14/-</b> "
16 in.	13 in.	<b>16/-</b> "

Marble **3/6** each extra.

No. 2403.

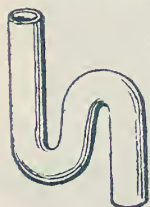
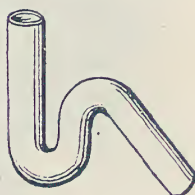
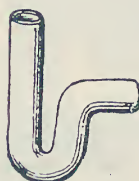
**Flat Wall Lipped Urinal.**



Height.	Width.	Price, White.
14 in.	12 in.	<b>18/-</b> each.
16 in.	13 in.	<b>21/-</b> "
18 in.	16 in.	<b>25/-</b> "

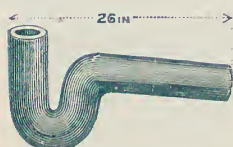
Marble **3/6** each extra.



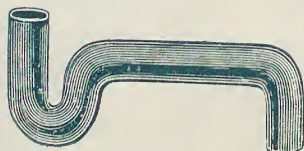
**"DUBOIS" HYDRAULIC DRAWN LEAD TRAPS, BENDS, & OFFSETS.****No. 2406.**  
Full S Trap.**No. 2407.**  
Open S Trap.**No. 2408.**  
P Trap.**No. 2409.**  
Bath Trap.**No. 2411.**  
Long Bend.**No. 2412.**  
Bag Trap.

		Size	...	...	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$ in.
		Substance of	...	...	$4\frac{1}{2}$	5	6	6	6	6	6	6 lb. lead.
<b>No. 2406.</b>	Full S Trap, with Brass Cap and Screw	...	...	...	<b>1/9</b>	<b>2/-</b>	<b>3/6</b>	<b>4/9</b>	<b>6/3</b>	<b>7/3</b>	<b>9/-</b>	<b>10/9</b> each.
.. <b>2407.</b>	Open S Trap	"	"	...	<b>1/7</b>	<b>1/11</b>	<b>3/4</b>	<b>4/8</b>	<b>6/-</b>	<b>7/-</b>	<b>8/9</b>	<b>10/3</b> ..
.. <b>2408.</b>	P Trap	"	"	...	<b>1/6</b>	<b>1/8</b>	<b>2/10</b>	<b>3/7</b>	<b>4/8</b>	<b>5/9</b>	<b>7/3</b>	<b>8/-</b> ..
.. <b>2409.</b>	Bath Trap	"	"	...	<b>1/6</b>	<b>1/8</b>	<b>2/10</b>	<b>3/7</b>	<b>4/9</b>	<b>5/9</b>	<b>7/3</b>	<b>8/-</b> ..
.. <b>2411.</b>	Long Bend, without Cap and Screw	...	...	...	<b>-/10</b>	<b>1/1</b>	<b>1/11</b>	<b>2/5</b>	<b>3/2</b>	<b>4/-</b>	<b>5/-</b>	<b>6/-</b> ..
.. <b>2412.</b>	Bag Trap	"	"	...	<b>1/7</b>	<b>2/-</b>	<b>3/8</b>	<b>5/-</b>	<b>7/2</b>	<b>9/-</b>	<b>11/6</b>	<b>15/3</b> ..

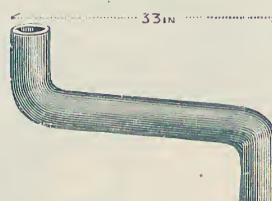
If Traps over 3 inches are fitted with Brass Caps and Screws, -/9 each extra.

**"DUBOIS" 4-in. SPECIAL SHAPES.****No. 2413.**

<b>No. 2413.</b>	4 in. x 26 in.
6 lb.	8 lb.
<b>9/3</b> each.	<b>11/9</b> each.
<b>No. 2414.</b>	4 in. x 30 in.
6 lb.	8 lb.
<b>10/3</b> each.	<b>13/-</b> each.

**No. 2415.**

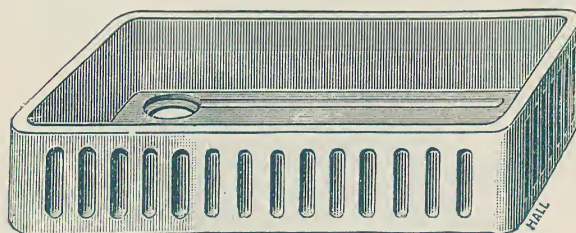
<b>No. 2415.</b>	4 in. x 28 in.
6 lb.	8 lb.
<b>11/6</b> each.	<b>15/-</b> each.
<b>No. 2416.</b>	4 in. x 33 in.
6 lb.	8 lb.
<b>12/9</b> each.	<b>16/6</b> each.

**No. 2418.**

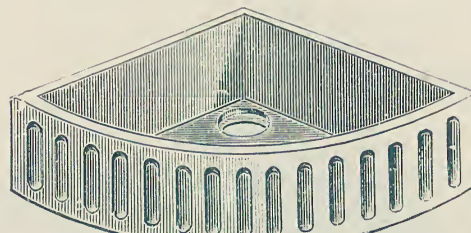
<b>No. 2417.</b>	4 in. x 28 in.
6 lb.	8 lb.
<b>10/3</b> each.	<b>13/6</b> each.
<b>No. 2418.</b>	4 in. x 33 in.
6 lb.	8 lb.
<b>11/9</b> each.	<b>15/-</b> each.

**No. 2420.**

	6 lb.	8 lb.
4 in. x 8 in. x 18 in.	<b>7/6</b>	<b>9/9</b> ea.
4 in. x 8 in. x 21 in.	<b>8/-</b>	<b>10/6</b> ..
4 in. x 8 in. x 24 in.	<b>9/-</b>	<b>11/6</b> ..
4 in. x 9 in. x 30 in.	<b>10/9</b>	<b>15/-</b> ..
4 in. x 9 in. x 36 in.	<b>12/-</b>	<b>15/9</b> ..
4 in. x 9 in. x 40 in.	<b>14/-</b>	<b>17/-</b> ..

**GLAZED EARTHENWARE SINKS.****No. 2422.**London Pattern, Fluted.  
Oblong.

Outside Size.	Cane.	White Inside.
20 x 16 x 7 in.	<b>10/6</b>	<b>16/-</b> each.
24 x 16 x 7 in.	<b>13/-</b>	<b>20/-</b> ..
24 x 18 x 7 in.	<b>14/6</b>	<b>22/-</b> ..
28 x 18 x 7 in.	<b>16/-</b>	<b>25/-</b> ..
30 x 18 x 7 in.	<b>18/-</b>	<b>28/-</b> ..
33 x 18 x 7 in.	<b>20/-</b>	<b>30/-</b> ..
36 x 21 x 7 in.	<b>25/-</b>	<b>39/-</b> ..
42 x 24 x 7 in.	<b>33/-</b>	<b>44/-</b> ..
48 x 24 x 7 in.	<b>38/-</b>	<b>60/-</b> ..
54 x 4 x 7 in.	<b>57/-</b>	<b>80/-</b> ..
60 x 24 x 7 in.	<b>63/-</b>	<b>89/-</b> ..

**No. 2423.**

Angular.

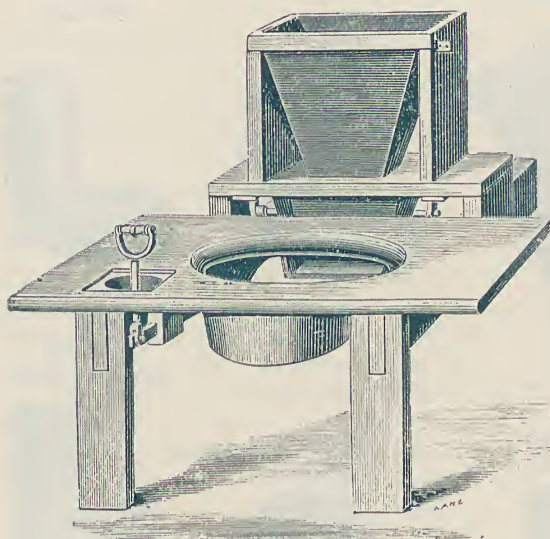
Across Corners.	Back to Front.	Length of Side.	Depth.	Cane.	White Inside.
16 in.	16 in.	$11\frac{1}{2}$ in.	5 in.	<b>4/6</b>	<b>7/-</b>
18 in.	18 in.	13 in.	5 in.	<b>5/-</b>	<b>8/-</b>
20 in.	20 in.	$14\frac{1}{2}$ in.	5 in.	<b>5/6</b>	<b>9/-</b>
22 in.	20 in.	16 in.	5 in.	<b>6/3</b>	<b>10/-</b>
24 in.	20 in.	17 in.	5 in.	<b>7/3</b>	<b>11/-</b>
26 in.	20 in.	$18\frac{1}{2}$ in.	5 in.	<b>9/-</b>	<b>13/6</b>
28 in.	22 in.	20 in.	5 in.	<b>11/9</b>	<b>15/6</b>
34 in.	24 in.	24 in.	$5\frac{1}{2}$ in.	<b>16/-</b>	<b>24/-</b>

Awards for Excellence of Machines and Tools:



## MOULE'S EARTH CLOSETS.

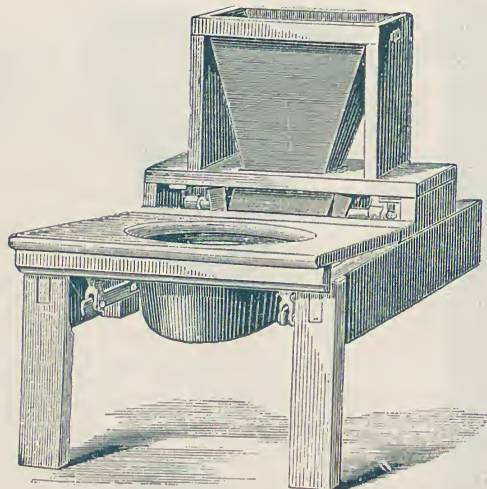
No. 2425.



**No. 2425.** "Pull Up" (new Patent), with Galvanized Rim, and Iron Handle and Deal Seat, on Bearers, fixed ready for placing in position. Price **55/6** each.

**No. 2426.** Ditto Ditto with White Earthenware Rim and Deal Seat. Price **66/-** each.

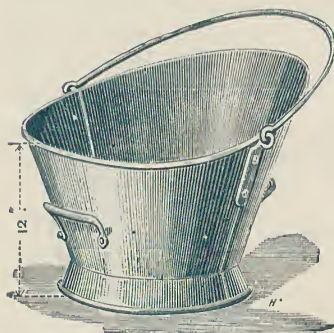
No. 2427.



**No. 2427.** Self-Acting (new Patent), with White Earthenware or Enamelled Iron Rim, Cast Iron Lever Bars, and Deal Seat on Bearers, fixed ready for placing in position. Price **70/-** each.

**No. 2428.** Ditto ditto specially adapted to Children's weights with Galvanized Rim, Wrought Iron Lever Bars, Deal Seat on Bearers ready for placing in position. Price **66/-** each.

No. 2429.

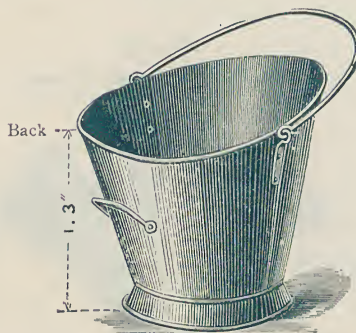


Holds 12 charges, and is the most convenient size for carrying up and down stairs. It is fitted either with or without cover, and is made to take out from either the front, back, or side.

The Riser to Closet must be 1 ft. 4 in. high.

Without Cover ... **8/-** each.  
With Cover ... **10/-** "

No. 2430.

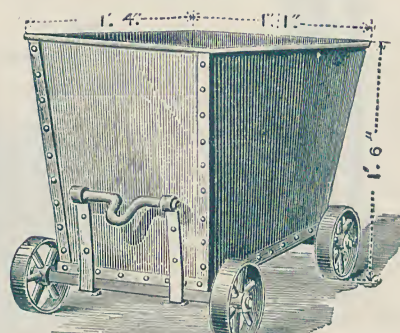


Holds 20 charges. It is fitted either with or without a cover. It is made to take out front, back, or side.

The Riser must be 1 ft. 7½ in. high, with a ¾ in. step.

Price **13/-** each.

No. 2431.



**Broadmoor Tank** (on Wheels).

Holds 36 charges, and is removed from the front of Closet.

The Riser must be 1 ft. 10¾ in. high, with a 6¾ in. step.

Price **35/-** each.

No. 2432.

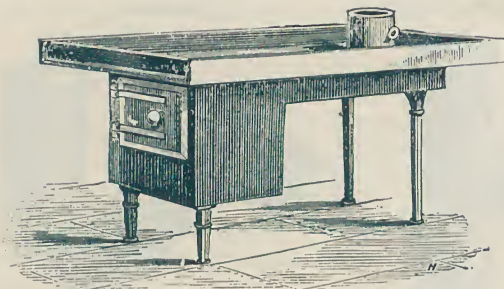
LARGE SIZE.

3 ft. long.

1 ft. 9 in. wide.

1 ft. 6 in. high.

Price **90/-** each.



DRYING STOVE.

No. 2433.

SMALL SIZE.

2 ft. 6 in. long.

1 ft. 3 in. wide.

1 ft. 6 in. high.

Price **76/-** each.

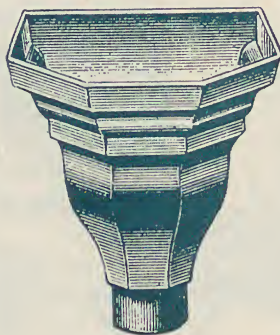


MELHUISS'S, Fetter Lane, Holborn Circus, London, E.C.  
**RAIN WATER PIPES AND CONNECTIONS.**

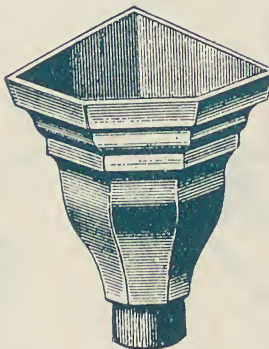
**No. 1. Round  
Rain Water  
Pipe.**



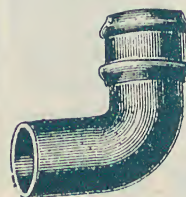
**No. 3.  
Flat R. W. Head.**



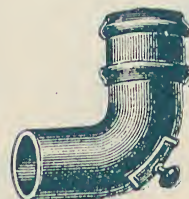
**No. 4.  
Angle Head.**



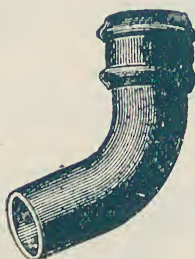
**No. 5.  
Elbow.**



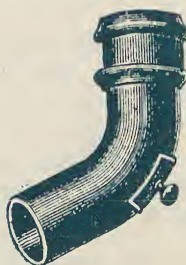
**No. 6.  
Elbow.  
With Cleaning Door.**



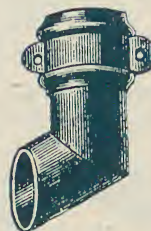
**No. 5.  
Obtuse Elbow.**



**No. 6.  
Obtuse Elbow.  
With Cleaning Door.**



**No. 9.  
Shoe.**



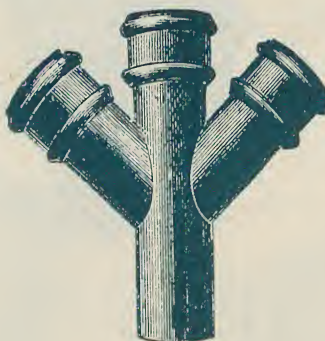
**No. 10.  
Branch Pipe.**



**No. 11.  
Branch Piece.  
With Sockets.**



**No. 12.  
Double Branch Piece.**



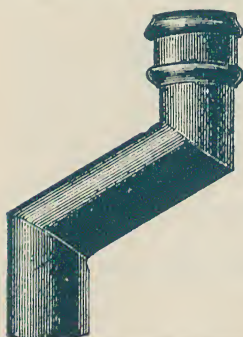
**No. 13.  
Swan Neck.**



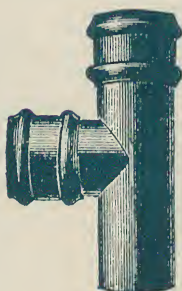
**No. 17.  
Union Socket.**



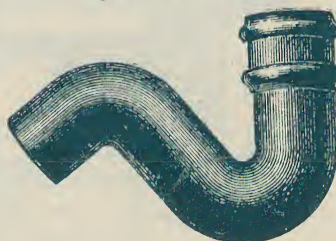
**No. 14.  
Plinth Offset.  
(Prices same as Swan Necks).**



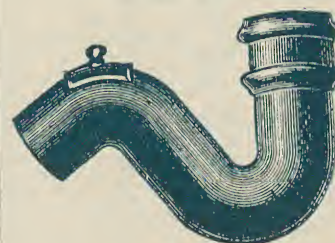
**No. 16.  
T Branch Piece.**



**No. 18.  
Syphon Traps.**



**No. 19.  
Syphon Trap.  
With Cleaning Door.**



Awards for Excellence of Machines and Tools :



## CAST IRON ROUND RAIN WATER PIPES AND CONNECTIONS.

### PRICES:

No.	Description.	BLACK.					GALVANIZED.				
		2 in.	2½ in.	3 in.	3½ in.	4 in.	2 in.	2½ in.	3 in.	3½ in.	4 in.
		s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
1	Pipes, in 6 ft. lengths ... .. per yard	1 1	1 3	1 5	1 8	1 10	1 9	2 0	2 3	2 9	3 4
2	" in 2, 3 and 4 ft. lengths ... .. "	1 3	1 5	1 8	1 11	2 1	2 0	2 4	2 8	3 4	3 9
3 and 4	Heads, Angle and Flat ... .. each	0 11	1 1	1 3	1 5	1 7	1 4	1 7	2 0	2 3	2 6
5	Bends or Elbows, (Square and Obtuse) ..	0 8	0 10	1 0	1 4	1 7	0 10	1 1	1 3	1 9	2 2
6	" " Square and Obtuse, with Soot Door... .. "	...	...	2 3	2 6	2 10	...	...	3 0	3 6	3 9
9	Shoes ... .. "	0 7	0 8	0 9	1 0	1 2	0 9	1 0	1 1	1 5	1 10
10	Branch Pieces (Single), with Spigot ..	1 0	1 2	1 4	1 9	2 3	1 3	1 6	2 0	2 6	3 3
11	" " ( " ), with Socket ..	1 0	1 2	1 4	1 9	2 3	1 6	1 9	2 6	3 0	3 9
12	" " (Double), with Sockets ..	1 4	1 9	2 3	2 10	3 2	1 10	2 6	3 6	4 0	4 6
13	Swan Necks, 3 in. offset ... .. "	0 9	0 11	1 0	1 2	1 9	1 0	1 2	1 5	1 9	2 5
"	" " 4½ " ... .. "	1 0	1 1	1 3	1 6	2 0	1 2	1 5	1 9	2 0	2 8
"	" " 6 " ... .. "	1 0	1 1	1 3	1 6	2 0	1 2	1 5	1 9	2 1	2 9
"	" " 9 " ... .. "	1 4	1 6	1 9	2 0	2 3	1 7	1 11	2 3	3 0	3 3
"	" " 12 " ... .. "	1 7	1 9	2 0	2 3	2 9	1 10	2 3	2 9	3 3	3 10
"	" " 15 " ... .. "	1 9	2 1	2 6	2 11	3 7	2 9	3 0	3 9	4 0	5 0
"	" " 18 " ... .. "	2 1	2 5	2 9	3 2	4 0	3 0	3 6	4 0	4 6	5 6
14	Plinth Offsets, 2½ in. projection ... ..	...	...	1 0	1 2	1 9	...	...	1 6	1 9	2 6
15	T Y Branch Pieces ... .. "	...	...	...	...	2 3	...	...	...	...	3 3
16	T Pieces ... .. "	1 0	1 2	1 4	1 9	2 3	1 3	1 6	1 9	2 4	3 0
17	Union Sockets ... .. "	0 5	0 6	0 8	0 9	1 0	0 8	0 8	0 10	1 0	1 6
18	Syphon Traps ... .. "	1 9	1 10	2 1	2 8	3 0	2 3	2 3	3 0	3 6	4 0
19	" " with Cleaning Door ... .. "	2 8	2 9	3 0	3 8	4 0	3 6	4 0	4 3	5 0	5 6

## SQUARE OR RECTANGULAR RAIN WATER PIPES AND CONNECTIONS.

Sizes, inches.	* 3 × 3½	3 × 3	* 3½ × 2½	4 × 2	4 × 2½	* 4 × 3	4 × 4	4½ × 3	4½ × 4½	5 × 3½	* 5 × 4	6 × 4	6 × 6
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Pipes in 6 ft. lengths ... per yard	3 0	3 0	3 0	3 3	3 3	3 3	4 6	4 6	5 3	5 0	5 0	6 3	8 6
" in 2, 3 and 4 ft., extra ..	0 4	0 4	0 4	0 4	0 4	0 4	0 6	0 6	0 6	0 6	0 6	0 6	0 6
Shoes ... .. each	2 6	3 0	2 10	3 1	3 1	3 4	3 6	3 6	3 6	4 3	5 4	6 3	7 9
Elbows, Square or Obtuse ..	2 6	2 6	2 10	3 1	3 1	3 4	3 6	3 6	3 6	4 3	5 4	7 0	8 6
Offsets, 3 in. projection ... ..	2 3	2 9	3 0	3 6	3 3	4 0	4 0	4 3	4 6	5 3	6 0	6 6	7 0
" 4½ " }	2 9	3 0	3 6	3 9	3 9	3 9	4 3	4 6	4 9	5 6	5 9	6 9	7 3
" 6 " }													
" 9 " ... .. "	4 0	4 0	4 6	4 9	4 9	5 0	5 3	5 9	6 0	7 0	7 3	8 0	8 6
" 12 " ... .. "	4 9	4 9	5 6	5 9	5 9	6 0	6 3	6 9	7 0	8 6	8 9	10 6	10 9
Union Sockets ... .. "	1 0	1 0	1 2	1 5	1 6	1 7	1 9	1 11	2 0	2 3	2 4	3 6	3 6

\* Kept in Stock.

Prices Quoted for all kinds of Ornamental Rain Water Pipes on receipt of Specification.

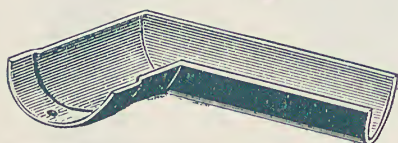
Bronze Medal, 1884.—Gold Medal, 1890.



## GUTTERS AND CONNECTIONS.

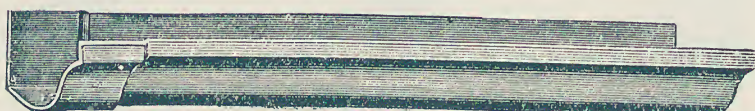
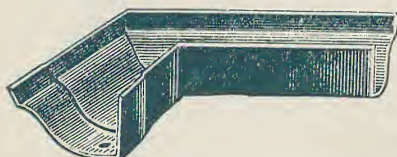
## HALF-ROUND GUTTERS.

No. 1.

No. 3.  
Nozzle.No. 2.  
Internal Angle.No. 5.  
With Drop.No. 6.  
With Drop.No. 4.  
Stop End.

## "O.G." GUTTERS.

No. 7.

No. 10.  
Nozzle.No. 8.  
External Angle.No. 9.  
Internal Angle.No. 11.  
Stop End.No. 12.  
Stop End with  
Drop.

## PRICES.

## Half-Round Gutters.

## "O.G." Gutters.

No.		3½-in.	4-in.	4½-in.	5-in.	No.		3½-in.	4-in.	4½-in.	5-in.
		s. d.	s. d.	s. d.	s. d.			s. d.	s. d.	s. d.	s. d.
1	Half-round Gutters, in 6-ft. lengths, per yard	0 9	0 10	0 11	1 0	7	"O.G." Gutters, with Plain Clips cast on, 6-ft. lengths, per yard	0 11	1 0	1 2	1 4
2	Angles ... .. each	0 7	0 8	0 10	0 11	8 & 9	Angles ... .. each	0 9	0 10	0 11	1 1
3	Nozzles... .. "	0 7	0 8	0 10	0 11	10	Nozzles... .. "	0 9	0 10	0 11	1 1
4	Stop Ends ... .. "	0 3	0 3	0 3	0 4	11	Stop Ends ... .. "	0 3	0 3	0 3	0 4
5 & 6	Do. with Drops ..	0 6	0 7	0 7	0 8	12	Do. with Drops ..	0 7	0 8	0 9	0 11

## GUTTER BRACKETS.

		Sizes ...	3½	4	4½	5	6 in.
No. 13.—Cast Iron Gutter Brackets to screw up for Half Round Gutters		...	3/-	3/-	3/6	3/9	4/- doz.
No. 14.—Ditto, ditto, for "O.G." Gutters		...	3/3	3/3	3/9	4/-	4/3 "

Wrought Iron Gutter Brackets to drive, same prices.

Gutter Bolts and Nuts, 2/6 per gross; -/4 per dozen.

Ornamental Moulded Gutters and Connections quoted for on application.

Painting Rain Water Goods 5 per cent. extra. Coating Rain Water Goods with Dr. Angus Smith's Solution, 10 per cent. extra.  
Laying Rain Water Goods out to plan, 5 per cent. extra. Galvanized Rain Water Goods are about double the price of Black.

Awards for Excellence of Machines and Tools :

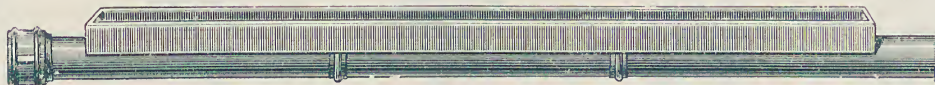


## HOT WATER PIPES AND CONNECTIONS.

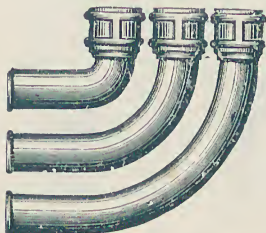
No. 1.



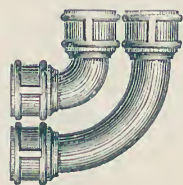
No. 3.



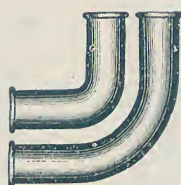
Nos. 4, 5, 6.



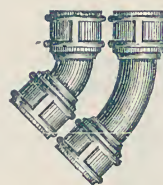
Nos. 8, 9.



Nos. 10, 11.



Nos. 12, 13.



Nos. 14, 15.



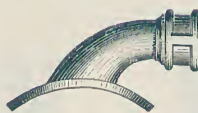
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No. 22.



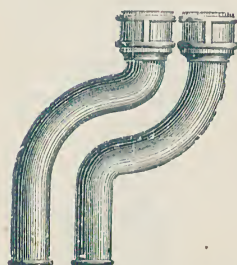
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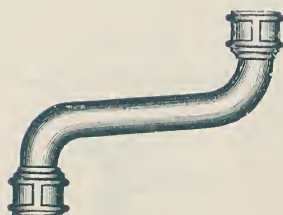
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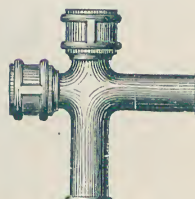
Nos. 28, 29.



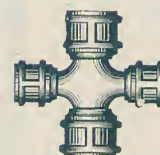
No. 32.



No. 38.



No. 39.



No. 43.



No. 44.



No. 45.



No. 47.



No. 53.



No. 58.



No. 60.



No. 61.



No. 62.



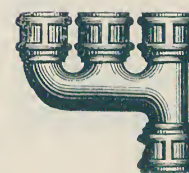
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No. 64.

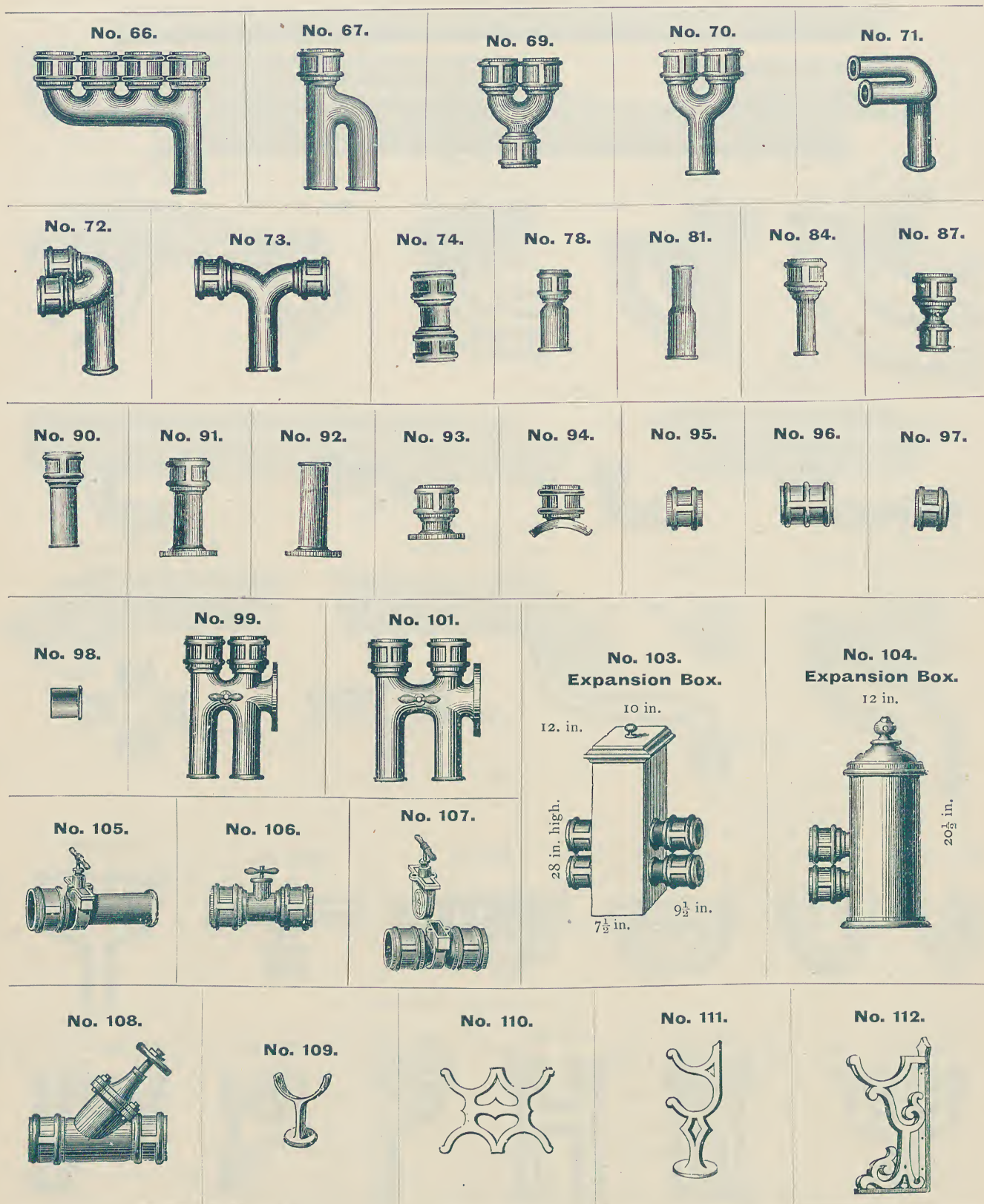


No. 65.





## HOT WATER CONNECTIONS.





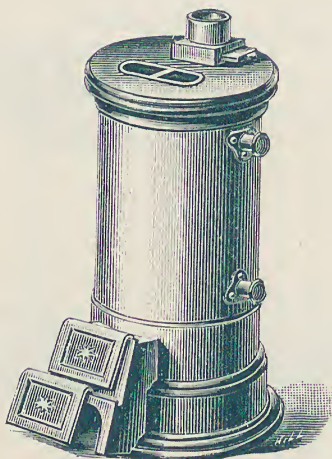
## PRICES OF HOT WATER PIPES AND CONNECTIONS.

Sizes, in.				Sizes, in.			
2	3	4		2	3	4	
1	Socket Pipes in 6 ft. and 9 ft. lengths, per yd.	2/2	3/4	4/-	58	Three-way Socket and Spigot Outlet	
2	" " under 6 ft. lengths, per yd.	2/6	3/10	—		Syphon ... .. each	4/3 6/9 9/6
3	Trough Pipes in 6 ft. and 9 ft. lengths, per yd.	—	7/-	7/9	59	Four-way ditto, ditto... ..	5/6 9/- 12/6
4	Common Elbow ... .. each	1/9	2/6	4/-	60	Three-way Socket Outlet Syphon ... ..	4/6 6/9 9/3
5	" " 2nd radius ... ..	2/-	3/6	5/6	61	Close H-piece ... ..	3/9 6/3 9/-
6	" " 3rd " ... ..	2/9	4/3	6/-	62	Open " ... ..	3/9 6/6 9/3
7	" " 4th " ... ..	3/3	5/9	8/3	63	Two-way Branch Syphon ... ..	2/9 4/6 6/9
8	Double Socket Elbow ... ..	4/-	7/-	10/9	64	" " " " " " " " " "	3/3 5/6 7/3
9	" " " " " " " " " "	1/9	2/9	4/6	65	Three-way " " " " " " " "	4/3 6/9 9/6
10	Spigot Elbow ... ..	1/3	2/3	4/-	66	Four-way " " " " " " " "	5/- 7/6 12/-
11	" " " " " " " " " "	1/9	2/9	4/6	67	Two-way " " " " " " " "	2/3 4/3 6/3
12	Elbows, $\frac{1}{8}$ circle ... ..	2/-	2/9	4/3	68	Three-way " " " " " " " "	4/- 6/- 9/-
13	" " " " " " " " " "	2/1	3/6	4/6	69	Two-way Socket and Outlet Syphon	3/- 5/- 6/9
14	Socket and Spigot Elbow, $\frac{1}{8}$ and $\frac{1}{4}$ circle	1/11	3/6	4/3	70	" " " " Spigot ditto .. ..	2/9 — —
15	" " " " " " " " " "	1/6	2/9	3/6	71	" " Horned Coil Syphon ... ..	3/9 6/6 9/6
16	Diminishing Elbow, 3 in. to 2 in. ... ..	—	2/3	—	72	" " Outlet Syphon ... ..	5/6 8/6 12/6
17	" " 4 " 2 " " " " " " "	—	—	3/-	73	T-piece... ..	2/9 5/- 6/9
18	" " 4 " 3 " " " " " " "	—	—	3/6	74	" " diminishing 3 in. to 2 in. ... ..	— 3/6 —
19	" " 3 " 2 " " " " " " "	—	2/6	—	75	" " 4 " 2 " " " " " " "	— — 4/3
20	" " 4 " 2 " " " " " " "	—	—	3/3	76	" " 4 " 3 " " " " " " "	— — 5/9
21	" " 4 " 3 " " " " " " "	—	—	3/6	77	Double Socket Piece ... ..	2/3 3/3 5/-
22	Diminishing Double Socket Elbow,				78	Diminishing Pipe, 3 in. to 2 in. ... ..	— 1/9 —
	3 in. to 2 in. ... ..	—	2/9	—	79	" " 4 " 2 " " " " " " "	— — 2/3
23	Ditto, ditto ... 4 " 2 " " " " " " "	—	—	3/6	80	" " 4 " 3 " " " " " " "	— — 2/6
24	Ditto, ditto ... 4 " 3 " " " " " " "	—	—	4/3	81	" " 3 " 2 " " " " " " "	— 1/6 —
25	Elbow Boiler Top ... ..	2/3	3/-	4/9	82	" " 4 " 2 " " " " " " "	— — 2/-
26	Boiler Top ... ..	2/-	2/9	4/6	83	" " 4 " 3 " " " " " " "	— — 2/3
27	Long Elbow with Flange ... ..	2/-	3/6	5/3	84	" " 3 " 2 " " " " " " "	— 2/- —
28	Swan Neck, 8 in. offset ... ..	2/-	3/6	5/6	85	" " 4 " 2 " " " " " " "	— — 2/9
29	" " " " " " " " " "	2/-	3/6	5/6	86	" " 4 " 3 " " " " " " "	— — 3/3
30	Ordinary Swan Neck, 16 in. offset ... ..	3/6	5/-	6/9	87	Diminishing Socket, 3 in. to 2 in. ... ..	— 2/5 —
31	" " " " 21 " " " " " " " "	4/-	5/6	7/3	88	" " 4 " 2 " " " " " " "	— — 2/9
32	S-pipe or Swan Neck, 6 in. offset ... ..	2/3	3/3	5/-	89	" " 4 " 3 " " " " " " "	— — 3/6
33	" " " " 9 " " " " " " " "	2/6	3/6	5/6	90	Socket and Spigot Piece ... ..	1/9 2/9 4/3
34	" " " " 12 " " " " " " " "	2/9	3/9	6/-	91	Flange Socket... ..	2/3 2/9 3/9
35	" " " " 15 " " " " " " " "	3/-	4/-	6/6	92	" " Spigot ... ..	1/9 2/3 3/-
36	" " " " 18 " " " " " " " "	3/6	5/-	7/6	93	Short Flange ... ..	1/9 1/9 2/3
37	" " " " 24 " " " " " " " "	—	—	—	94	" " " " " " " " " " " "	2/2 2/2 2/9
38	Cross-piece ... ..	3/-	5/-	8/-	95	Single Sliding Collar ... ..	-/10 1/3 2/-
39	Four Socket Cross-piece ... ..	2/6	6/-	8/-	96	Double " " " " " " " " " "	1/6 1/9 2/3
40	Ditto, diminishing 3 in. to 2 in. ... ..	—	4/-	—	97	Blank Socket ... ..	1/- 1/3 1/9
41	Ditto, " 4 " 2 " " " " " " "	—	—	6/-	98	" " Spigot ... ..	-/6 -/9 -/11
42	Ditto, " 4 " 3 " " " " " " "	—	—	7/-	99	Close H-piece with one Valve ... ..	20/- 24/- 30/-
43	Two-way Close Syphon ... ..	2/6	3/6	5/3	100	" " " " two Valves ... ..	34/- 37/- 47/6
44	" " Open " " " " " " " " " "	2/9	4/3	6/-	101	Open " " " " one Valve ... ..	22/- 26/- 32/-
45	Three-way Syphon ... ..	3/3	5/6	7/6	102	" " " " two Valves ... ..	35/- 38/- 48/-
46	" " Spigot Syphon ... ..	2/3	4/3	6/6	103	Expansion Boxes with two Sockets	30/- 31/- 34/-
47	Four-way Syphon ... ..	4/9	7/3	10/9	104	" " " " " " " " " " " "	20/- 22/- 24/-
48	Five-way " " " " " " " " " "	5/6	9/6	—	105	Throttle Valve, Double Faucet ... ..	12-6 15/- 19/6
49	T-piece... ..	3/-	4/6	6/6	106	" " " " Spigot and Faucet ... ..	16/- 18/- 23/-
50	" " diminishing 3 in. to 2 in. ... ..	—	4/-	—	107	" " " " Double Faucet ... ..	16/- 18/- 23/-
51	" " 4 " 2 " " " " " " "	—	—	5/4	108	" " " " Screw Valve Double	
52	" " 4 " 3 " " " " " " "	—	—	5/-		Faucet ... ..	22/- 27/- 33/-
53	T-piece... ..	2/3	3/9	6/-	109	Pipe Stands ... ..	-/6 -/8 -/9
54	" " all Spigot ends ... ..	2/-	3/3	5/-	110	" " " " " " " " " " " "	-/9 1/2 1/8
55	Two-way Socket and Spigot Outlet				111	" " " " " " " " " " " "	1/- 1/2 1/7
	Syphon, 3 in. to 2 in. ... ..	—	4/-	—	112	" " " " " " " " " " " "	1/- 1/4 1/9
56	Ditto, ditto, 4 " 2 " " " " " " "	—	—	6/-			
57	Ditto, ditto, 4 " 3 " " " " " " "	—	—	6/-			

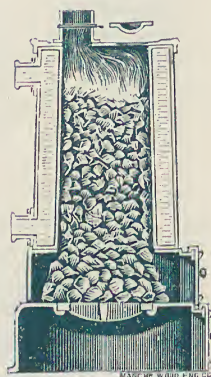
Bronze Medal, 1884.—Gold Medal, 1890.



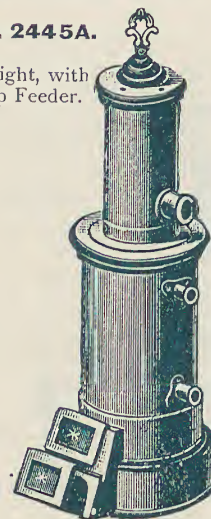
## INDEPENDENT "STAR" BOILERS.

No. 2445.  
Straight.

Section.



No. 2445A.

Straight, with  
Top Feeder.

Suitable for small greenhouses, conservatories, offices, coach-houses, showrooms, etc., and for general amateur purposes. **No. 2445A.** is provided with extended Top Feeder to contain extra fuel, so as to burn a longer period without attention than **No. 2445.**

Sockets and smoke flue can be fixed at right, left, or back as required. When not ordered otherwise, they are placed at back.

Price List, including flow and return sockets and damper, as per drawing.

No. 2445.	Outside Size of Boiler.		Size of Sockets for Wrought Pipe.	Actual Heating Power. 4 in. Pipe.	Outside Diam. of Smoke Pipe.	Price, 1 5/8 in. Plate. Each.	Price, 3 in. Plate. Each.	No. 2445A.	Outside Size of Boiler.		Size of Sockets for Wrought Pipe.	Actual Heating Power. 4 in. Pipe.	Outside Diam. of Smoke Pipe.	Price, 1 5/8 in. Plate. Each.	Price, 3 in. Plate. Each.
	High.	Diam.							High.	Diam.					
1	24 in.	10 in.	1 1/4 in.	65 ft.	4 in.	62/-	76/-	1	40 in.	10 in.	1 1/4 in.	65 ft.	4 in.	82/6	96/6
2	26 "	12 "	1 1/4 "	80 "	4 "	72/6	86/-	2	46 "	12 "	1 1/4 "	80 "	4 "	96/6	110/6
3	29 "	14 "	1 1/2 "	110 "	5 "	82/6	96/6	3	53 "	14 "	1 1/2 "	110 "	5 "	110/6	124/-
4	34 "	14 "	1 1/2 "	140 "	5 "	103/6	121/-	4	58 "	14 "	1 1/2 "	140 "	5 "	131/-	148/-
5	32 "	16 "	2 "	170 "	6 "	124/-	145/-	5	60 "	16 "	2 "	170 "	6 "	151/6	172/-
6	36 "	16 "	2 "	200 "	6 "	144/6	169/-	6	64 "	16 "	2 "	200 "	6 "	172/-	196/6
7	40 "	16 "	2 "	220 "	6 "	165/6	193/-	7	68 "	16 "	2 "	220 "	6 "	193/-	222/6

## THE "ECONOMICAL" BOILER.

Designed for building into the wall of Greenhouse.

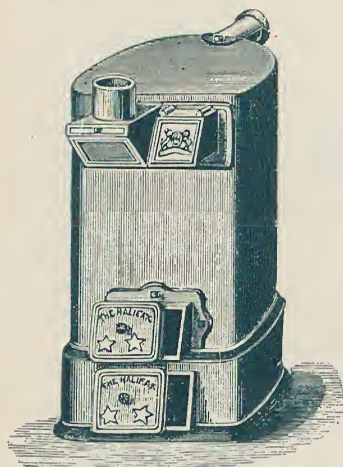
The Boiler Front, including Feeder and Smoke Nozzle, with Fire and Ashpit Doors, is outside.

No Stokehole required. Cheap, Simple, Economical.

No. 2446.

Price List, including Damper and two 2-in. Sockets for Wrought Iron Pipe.

Wrought Iron fixed unless otherwise ordered.



Elevation.

No.	Size of Boiler only, exclusive of Stand.			Height to Centre of Flow Socket.	Actual Heating Power 4 in. Pipe.	Outside Diam. of Smoke Pipe.	Price, 1 5/8 in. Plate. Each.	Price, 2 1/2 in. Pipe. Each.
	H.	W.	D.					
1	18	12	12	21 in.	95 ft.	4 in.	103/6	122/6
2	21	12	12	24 "	110 "	4 "	113/6	130/9
3	24	12	12	27 "	125 "	4 "	124/6	142/6
4	18	14	14	22 "	120 "	4 "	124/6	142/6
5	21	14	14	25 "	140 "	5 "	137/6	160/-
6	24	14	14	28 "	160 "	5 "	152/6	177/6
7	27	14	14	31 "	180 "	5 "	165/-	195/-
8	30	14	14	34 "	200 "	5 "	178/6	212/6
9	24	16	16	29 "	200 "	6 "	199/6	235/-
10	30	16	16	35 "	245 "	6 "	235/-	277/6
11	36	16	16	41 "	290 "	6 "	276/6	322/6

		4	5	6	7 in. diameter.
Cast Iron Smoke Pipe	...	2/7	3/8	4/6	6/6 per yard.
" " Elbow	...	2/6	4/6	5/6	8/- each.
" " " with Cleaning Door	...	4/6	6/3	7/6	10/- "

The Smoke Flue of these Boilers may be placed at right or left hand side as required, also at the top or back, at an extra charge of 12/- to 25/- net, including slide Damper.

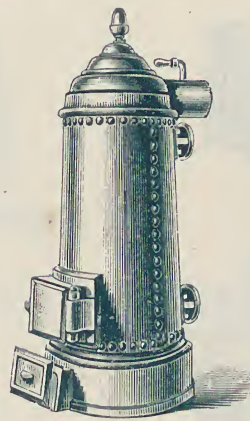
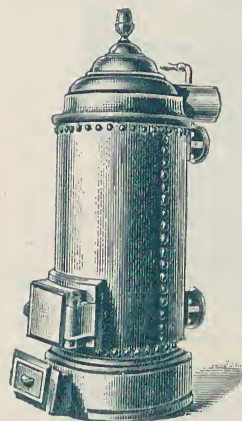
Awards for Excellence of Machines and Tools:



## THE "LANCASHIRE" BOILER.

No. 2447.

Straight Pattern. Wrought Fitted. Conical Pattern.



Price List, including 2 in. flow and return sockets for cast pipe and damper.

Sockets can be fitted at right, left, or back; unless specially ordered they are placed at the back. The top casting is loose, so that the flue may be placed at any desired angle. Please state, with order, if required to be welded or riveted.

### No. 2447 Boiler.

No.	Size of Boiler only.		Actual Heating Power, 4 in. Pipe.	Outside Diam. of Smoke Pipe.	Price, 7/8 in. Plate. Each.	Price, 3/4 in. Plate. Each.
	High.	Diam.				
1	24 in.	14 in.	140 ft.	6 in.	£5 10 6	£6 14 6
2	30 in.	16 in.	200 ft.	6 in.	8 14 0	10 7 6
3	36 in.	16 in.	250 ft.	6 in.	10 2 6	12 2 6
4	36 in.	20 in.	300 ft.	6 in.	13 15 6	16 12 6
5	42 in.	20 in.	350 ft.	7 in.	15 2 6	18 5 0
6	48 in.	20 in.	400 ft.	7 in.	16 12 6	20 0 0

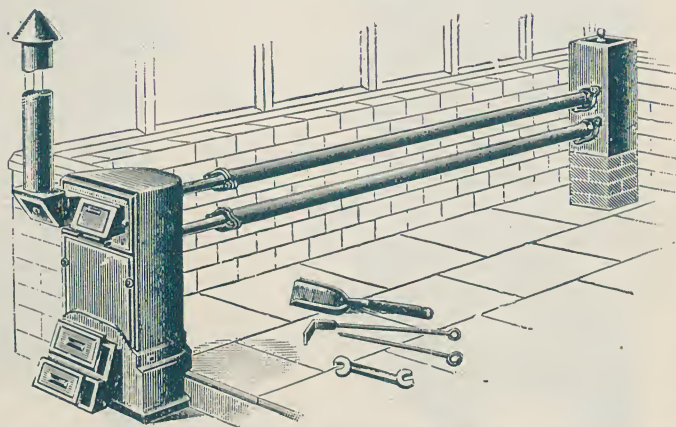
### No. 2448 Boiler.

No.	Size of Boiler only.		Actual Heating Power, 4 in. Pipe.	Outside Diam. of Smoke Pipe.	Price, 7/8 in. Plate. Each.	Price, 3/4 in. Plate. Each.
	High.	Diam.				
1	18 in.	14 x 10	100 ft.	4 in.	£5 3 6	£6 4 0
2	18 in.	14 " 12	110 ft.	5 in.	5 3 6	6 4 0
3	24 in.	14 " 10	125 ft.	4 in.	6 1 6	7 8 6
4	24 in.	14 " 12	140 ft.	5 in.	6 1 6	7 8 6
5	24 in.	16 " 12	185 ft.	5 in.	7 18 6	9 13 0
6	24 in.	16 " 14	200 ft.	6 in.	7 18 6	9 13 0
7	30 in.	16 " 12	205 ft.	5 in.	8 19 6	10 19 6
8	30 in.	16 " 14	225 ft.	6 in.	8 19 6	10 19 6
9	36 in.	16 " 12	230 ft.	5 in.	10 7 6	12 10 0
10	36 in.	16 " 14	250 ft.	6 in.	10 7 6	12 10 0
11	30 in.	20 " 16	280 ft.	6 in.	13 2 6	15 12 6
12	36 in.	20 " 16	315 ft.	6 in.	14 5 0	16 19 6

## COMPLETE HEATING APPARATUS.

Prices, including Boiler as No. 2446, except that front is cast plate instead of Waterway, thus making the Apparatus much cheaper without greatly reducing the heating power. Pipes with Expansion Joints, complete with Bolts and Indiarubber Rings, Expansion Cistern and Cover, Pipe Stands and Spanner, all complete, so that the same can be erected quickly by any amateur.

### No. 2449.



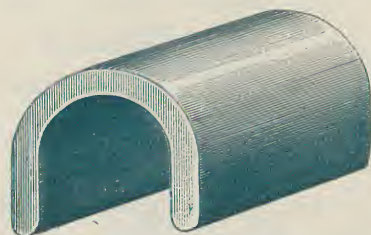
No.	Total Length of Pipes.	Price for 2 in. Pipes.	Price for 3 in. Pipe.	Price for 4 in. Pipes.
1	12 ft.	£6 17 6	£7 1 0	£7 4 6
2	18 ft.	7 1 0	7 4 6	7 11 3
3	24 ft.	7 11 3	8 1 0	8 8 6
4	30 ft.	8 8 6	8 13 3	9 2 6
5	36 ft.	8 18 9	9 6 0	9 16 0
6	48 ft.	9 19 6	10 10 0	11 3 6
7	60 ft.	11 0 0	11 15 0	12 11 0

Stoking Tools, 5/- extra. Strong Wrought Iron Smoke Pipe, 1/3 per foot, Cap included.

Quotations for Pipes and Elbows, etc., to go on two or three sides, will be forwarded by return post on receipt of particulars.

## PLAIN WROUGHT WELDED SADDLE BOILERS.

No. 2450.



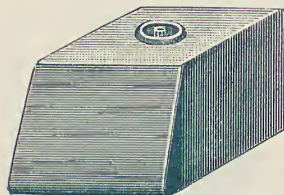
DESCRIPTION OF FURNACE FITTINGS.—Furnace front, with hinged doors, up to size 14; sliding front, size 15 and above; three soot boxes; damper and frame; dead plate; grate bars and bearer.

No.	Size of Boiler.		Actual Heating Power, 4-in. Pipe.	Price of Boiler.	Price of Boiler, 3/4 in. Plate.	Price of Furnace Fittings.
	Long.	Inside Arch.				
1	18	10 x 11	150 ft.	£2 5 0	£2 16 6	£2 18 6
2	18	12 " 12	180 ft.	2 14 0	3 6 0	3 2 0
3	21	10 " 11	180 ft.	2 12 0	3 3 6	3 5 6
4	21	12 " 12	210 ft.	2 18 9	3 10 6	3 5 6
5	24	10 " 11	210 ft.	2 14 0	3 6 0	3 8 9
6	24	12 " 12	240 ft.	3 3 6	3 17 6	3 12 0
7	24	14 " 14	280 ft.	3 13 0	4 9 6	3 15 6
8	27	12 " 12	270 ft.	3 10 6	4 7 0	3 12 0
9	27	14 " 14	315 ft.	4 0 0	5 1 0	3 19 0
10	30	12 " 12	300 ft.	3 15 0	4 14 0	3 19 0
11	30	14 " 14	350 ft.	4 11 6	5 13 0	4 2 6
12	33	12 " 12	330 ft.	4 4 6	5 3 6	4 6 0
13	33	14 " 14	385 ft.	4 16 6	5 17 6	4 9 6
14	30	12 " 12	360 ft.	4 11 6	5 13 0	4 9 6
15	36	14 " 14	420 ft.	5 1 0	6 7 0	4 13 0
16	36	16 " 16	480 ft.	5 19 6	7 1 0	4 13 0
17	42	14 " 14	490 ft.	5 19 6	7 1 0	4 13 0
18	42	16 " 16	560 ft.	7 10 0	8 18 6	4 16 0
19	42	18 " 18	630 ft.	8 10 0	10 2 0	5 3 0

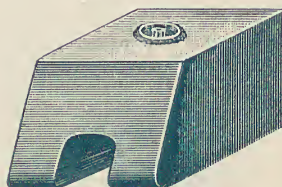
Extra for Plain Sockets:—2-in., 8/-; 3-in., 10/-; 4-in., 11/6; 5-in., 15/-; 6-in., 18/6 each.  
" Elbow Sockets:—2-in., 11/6; 3-in., 13/6; 4-in., 16/-; 5-in., 19/6; 6-in., 25/- each.  
" Plugs:—1½-in., 3/6; 2-in., 4/6 each.

Bronze Medal, 1884.—Gold Medal, 1890.

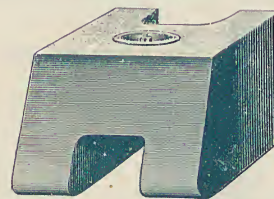


**WROUGHT WELDED RANGE BOILERS.****No. 2451.****Plain High Pressure Bath Boiler,** with Manhole and Cover.

Sizes 10 12 14 in. wide.  
Prices 22/- 23/6 25/6 each.

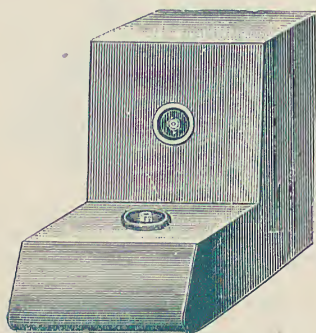
**No. 2452.****Arch Flue.**

Sizes 10 12 14 in. wide.  
Prices 23/6 25/6 27/6 each.

**No. 2453.****With Intersecting Flue.**

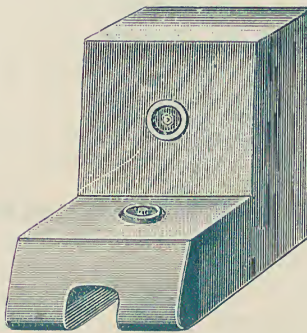
Height 12 in. : 9 in. front to back at top,  
12 in. at bottom.

Sizes 10 12 14 16 in. wide.  
Prices 52/- 54/- 56/- 60/- each.

**No. 2454.****Plain High Pressure Boot Boiler,** with two Manholes.

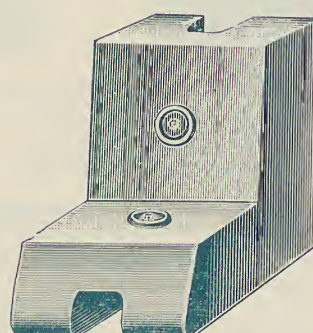
18 in. high x 16 in. deep.

Sizes 10 12 14 16 in. wide.  
Prices 52/- 56/- 61/- 65/- each.

**No. 2455.****High Pressure Boot Boiler,** with two Manholes and Covers and Arch Flue.

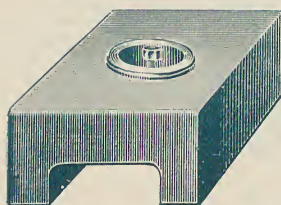
18 in. high x 16 in. deep.

Sizes 10 12 14 16 in. wide.  
Prices 63/- 67/- 72/- 77/- each.

**No. 2456.****High Pressure Boot Boiler,** with two Manholes and Covers and Intersecting Arch Flue.

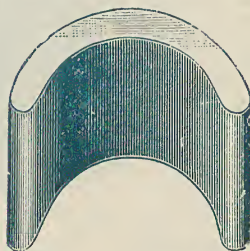
18 in. high x 16 in. deep.

Sizes 10 12 14 16 in. wide.  
Prices 85/- 90/- 95/- 100/- each.

**No. 2457.****Arch Flue High Pressure Boiler for Lifting Fire Ranges.**

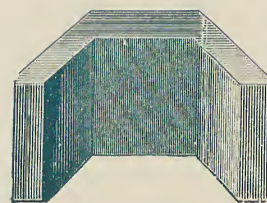
9 in. back to front x  $5\frac{3}{4}$  in. deep.

Sizes 10 12 14 in. wide.  
Prices 23/6 25/6 27/6 each.

**No. 2458.****Register Stove Boiler.**

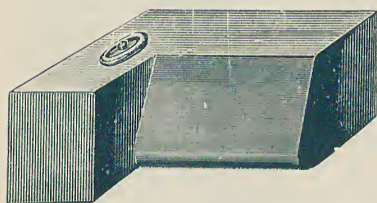
Width in front of fire.

Sizes 12 14 16 18 in. wide.  
Prices 42/- 44/6 46/6 48/- each.

**No. 2459.****Register Stove Boiler.**

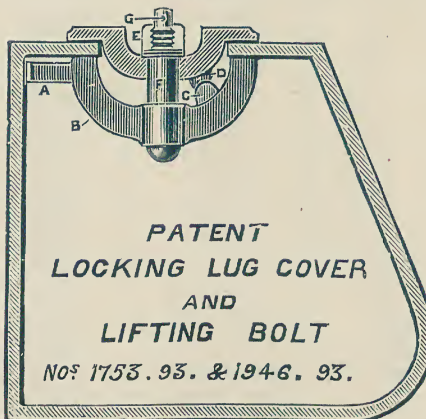
Width in front of fire.

Sizes 12 14 16 18 in. wide.  
Prices 30/6 32/- 34/- 36/- each.

**No. 2460.****Wrought Ell Boiler.**

With or without Arch Flue.

Prices on application.

**Section.**

**PATENT  
LOCKING LUG COVER  
AND  
LIFTING BOLT**

Nos 1753. 93. & 1946. 93.

High Pressure Boilers made  
to any size or shape  
on receipt of specification.

All our High Pressure  
Boilers are of Best Quality,  
and Tested before leaving  
our Works.

**Awards for Excellence of Machines and Tools:**



## HEATING STOVES.

No. 2465.

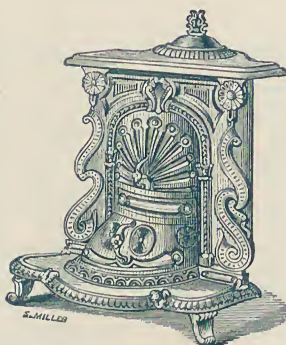


**The "Queen."**

Suitable for Office, Shop, Bedroom, or Nursery. It has accommodation for two pots, and is fitted with Ornamental Cover.

Sizes	22	24	26 in. high.
"	16	20	22 in. wide.
Price	14/6	17/6	24/6 each.

No. 2466.

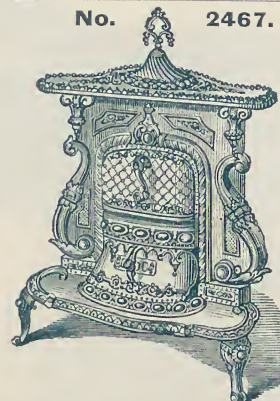


**The "Excelsior."**

By the arrangement of the front Blowers, it is easily and quickly kindled, and by removing the Blowers you have a cheerful fire.

Sizes	24	27	30 in. wide.
"	30	32	34 in. high.
Price	30/-	37/6	45/- each.

No. 2467.

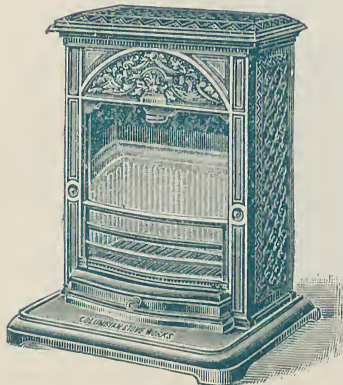


**The "Holborn."**

Suitable for Sitting-rooms, Dining-rooms, etc. Very small consumption of fuel, and fine glow of heat is diffused all over the rooms.

Sizes	24	27	30 in. wide.
"	33	36	38 in. high.
Price	34/-	42/6	51/6 each.

No. 2468.

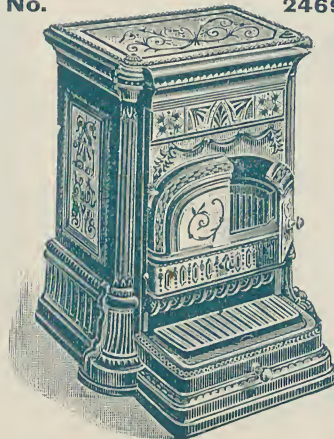


**New Warming Stove.**

Fitted with Firebrick Linings and Cast Iron Blower. Straight or Curved Bars.

Height.	Width.	Depth.	Fine Cast.	Price. Ground and Berlin Black.
30 in.	20½ in.	20 in.	42/-	65/- each.
30 in.	22½ in.	20 in.	48/-	71/6 "
30 in.	24½ in.	20 in.	54/6	78/- "

No. 2469.

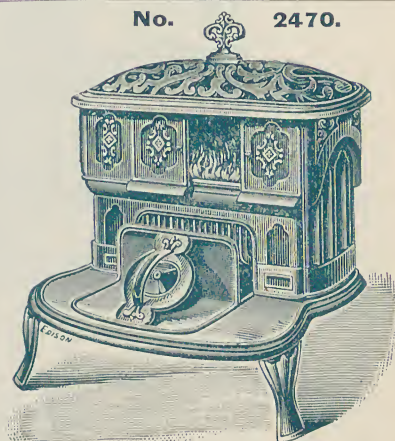


**New Pattern Warming Stove.**

Fitted with Swing Doors, best quality Glazed Tiles, is Ground and Berlin Blacked.

Height.	Width.	Depth.	Price.
27 in.	21 in.	18 in.	91/6
30 in.	23 in.	20 in.	108/-
32 in.	26 in.	22 in.	143/-

No. 2470.



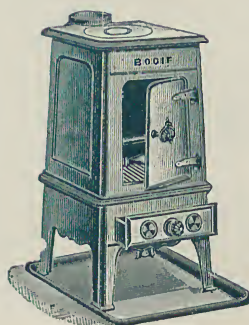
**The "Stapleton."**

Similar in construction to No. 2465, with Ornamental Top.

Has accommodation for two kettles. Size, 24 in. high, 20 in. wide, 25/- each. Cast Iron Elbow, to give a back flue instead of from top, 2/6 extra.

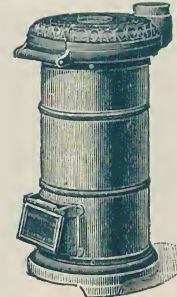
No. 2471.

**Improved Dumpy Stove.**



Sizes.			Sizes.		
Suits Cast Pipe.			Square.	High.	
No. 0	2 $\frac{1}{4}$ in.	No. 0	7 $\frac{1}{4}$ ×	12 $\frac{1}{2}$ in.	
No. 1	3 in.	No. 1	8 $\frac{1}{2}$ ×	17 $\frac{1}{2}$ in.	
No. 2	3 $\frac{1}{2}$ in.	No. 2	9 $\frac{1}{2}$ ×	19 $\frac{1}{2}$ in.	
No. 3	3 $\frac{3}{4}$ in.	No. 3	10 $\frac{1}{2}$ ×	22 $\frac{1}{2}$ in.	
No. 4	4 in.	No. 4	11 $\frac{1}{2}$ ×	23 $\frac{1}{2}$ in.	
No. 5	4 in.	No. 5	12 $\frac{1}{2}$ ×	26 in.	
With Flue at back or top, with Draw- out Ash Pan.			Nos. 2, 3, 4, and 5, if fitted with Brick Linings, 2/6 each extra.		
Nos.	0	1	2	3	4 5
Price	9/6	10/6	13/-	15/-	19/- 24/- each.

No. 2472.



**Slow Combustion Stove.**

Dia.	High.	Heating Capacity.	Price.	Sole Plate.
9 in.	20 in.	3000 cubic ft.	17/6	4/3
9 in.	25 in.	4000 cubic ft.	18/-	4/3
10 in.	27 in.	6000 cubic ft.	23/-	4/3
12 in.	30 in.	9000 cubic ft.	28/6	4/9

Nozzles can be fitted at back if required, same price.

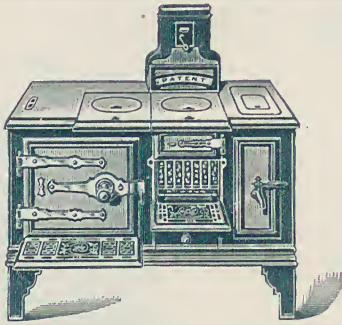


**PORTABLE RANGES.**

Made with Ovens on Left-hand Side only. Prices include Brass Taps.

No.

2473.

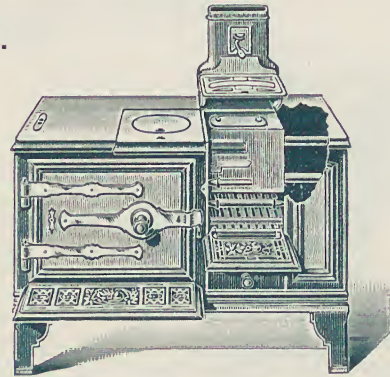


Is Bright-fitted throughout, Open and Close Fire, and combines all the latest improvements.

Sizes	20	22	24	26	28	30	32	34	36	42 in.
Oven and Sham	43/-	45/-	46/6	49/-	52/-	54/-	55/6	57/6	59/-	75/- ea.
Oven and Boiler	—	—	—	—	59/-	62/-	64/-	70/-	72/6	81/6 ..

No.

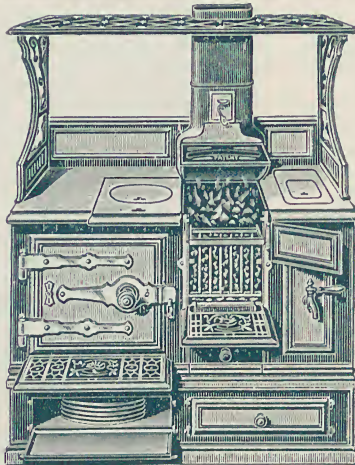
2474.

Fitted with Wrought High Pressure Boiler  $\frac{5}{16}$  in. thick, and Two  $\frac{3}{4}$  in. Couplings for Iron Pipe.

Sizes	30	32	33	36	42 in. wide.
Size of Ovens	12	12	14	16	18 in.
Close Fire	95/-	100/-	102/6	105/-	118 - each.
Open and Close Fire	100/-	104/-	106/-	108/-	122/- ..

No.

2475.

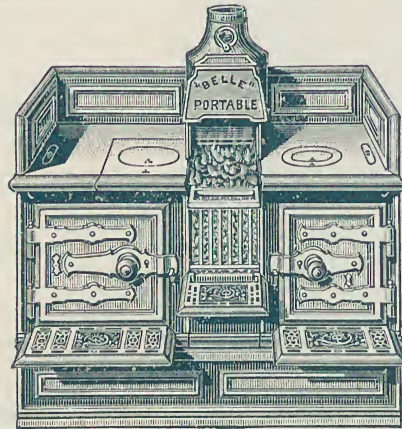


Fitted with Hot Closet, Cast Iron Plate Rack, with side Standards complete. 27 in. high, 17 in. deep.

Sizes	30	36	42 in. wide.
Oven and Sham	92/6	98/-	119/- each.
Oven and Boiler	103/-	112/-	134/- ..

No.

2476.

**Double Oven Portable Range.**

With Skirting, Open and Close Fire, all Bright-fitted.

Sizes	42	48 x 27 in. high.
Size of Ovens	10 and 10	16 and 12 in.
Price	147/-	166/- each.

Open or Close Fire  
3/6 extra.No.  
2477.**The "Larbert" Range.**

Sizes	20	24	26	28	30	32	in. high.			
Oven & Sham	47/-	50/-	53/-	55/6	59/-	60/-	each.			
Sizes	33	34	36	42 x 27	in. high.					
Oven & Sham	62/-	63/-	65/-	81/-	each.					
Sizes	20	24	26	28	30	32	33	34	36	42 x 27 in. high.
Oven & Boiler	—	—	65/-	67/-	70/-	72/6	75/-	78/-	95/-	

Smoke Plates and Pipes for ditto 3/6 per set extra.

Open or Close Fire  
3/6 extra.

No. 2478.

**The "Larbert" Range.** Fitted with Hot Closet.

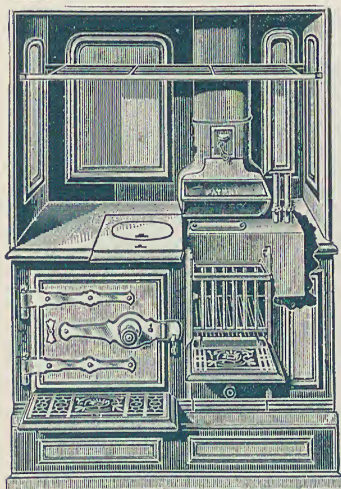
Sizes	24	26	28	30	32	33	34	36	42 in.
Oven & Sham	65/-	67/-	70/-	75/-	77/-	78/-	79/-	81/-	100/- ea.
Oven & Boiler	—	—	—	81/-	83/-	86/6	89/-	92/-	95/- 114/- ..

**Awards for Excellence of Machines and Tools:**



## KITCHENERS.

For Wrought High-Pressure Bath Boilers, see page 206.



**No. 2480.**

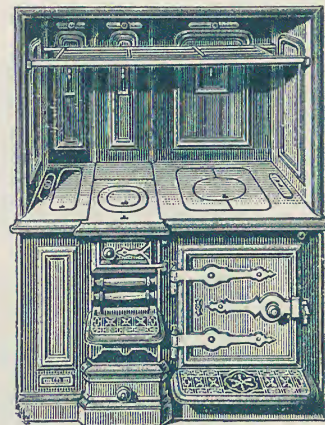
This is a complete self-contained portable Range, and is fitted with Air-tight Iron Flues, Plate Rack, Full Coverings, Wrought Iron Pipe and Sheet Iron Smoke Plate, including Extended High Pressure Bath Boiler, with 1 in. unions coming out of top of Hot Plate as drawn.

Sizes ...	30	36	42 in.
Open and Close Fire	149/-	156/-	177/- each.
Close Fire ...	244/-	152/-	172/- ..

**No. 2481.**  
**New**  
**Pattern Kitcheners,**

with Coverings, Plate Rack, etc., Bright-fitted throughout, Close Fire.

26 in. high to Hot Plate,  
54 in. over all, 16 in. deep.



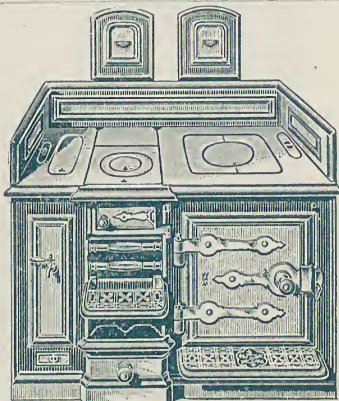
Sizes ...	30	36	42	48 in.
Size of Oven ...	12	18	18	18- "
Oven and Sham	65/-	70/-	78/-	88/- each.
Oven and Boiler	74/-	78/-	86/-	96/- "

If with Open and Close Fires, 9/- extra.

**No. 2482.**

**New**  
**Pattern Kitcheners,**  
with Skirting, Wrought Iron Oven Bracket Table under Oven.

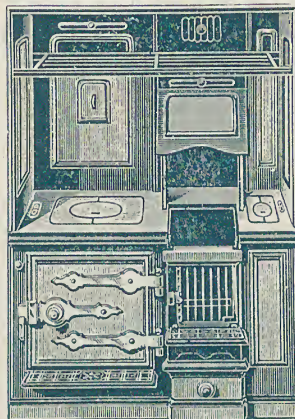
26 in. high x 18 in. deep.



Size ...	30	36	42	48 in.
Oven and Sham	60/-	62/6	71/-	80/- each.
Oven and Boiler	69/6	71/-	80/-	89/- "

If with Open and Close Fire, 9/- extra.

If with Raising and Lowering Fire, 9/- extra.

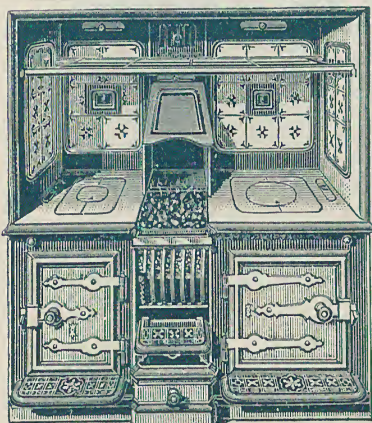


**No. 2483.**

**New**  
**Pattern Kitcheners,**  
with Open and Close Fire, Plate Rack, etc., Bright-fitted throughout, with Raising and Lowering Fire, and Sliding Fire Cover.

26 in. high x 18 in. deep, 54 in. over all.

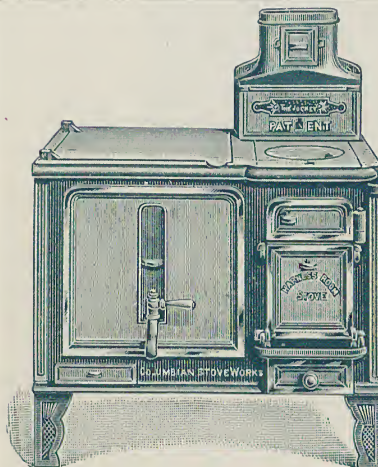
Sizes ...	36	42	48 in.
Oven and Sham	96/-	105/-	117/- each.
Oven and Boiler	105/-	114/-	126/- "



**No. 2484.**

Fitted with two Wrought Iron Ovens, Bright Dish Rests to Ovens and Trivet to Fire, all bright Fitted, Tile Coverings, Open and Close and Raising and Lowering Fire.

Sizes ...	42	48	54 in. wide.
Size of Ovens	10 and 14	16 and 12	18 and 16 in. x 17 in. deep.
Price ...	172/-	192/-	212/-
If without Iron Coverings instead of Tiles,			
42 in., 35/-; 48 in., 44/-; 54 in., 53/- less.			



**No. 2485.**

**Harness Room**  
**Stove, with loose**  
**Boiler.**

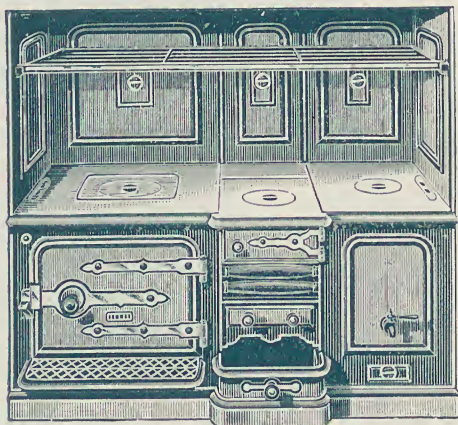
Size, 28 in. wide x 17 in. deep x 27 in. high.  
Price, Open and Close Fire, 72/6 each.  
Close Fire, 66/6 "

Bronze Medal, 1884.—Gold Medal, 1890.



## KITCHENERS.

No. 2486.



Strong well-fitted Kitchener, all bright fitted and finished in the very best style, with Ventilating Oven, Register, Covering-in Plate, etc.

Hot Plate 27 in. high x 18 in. deep.

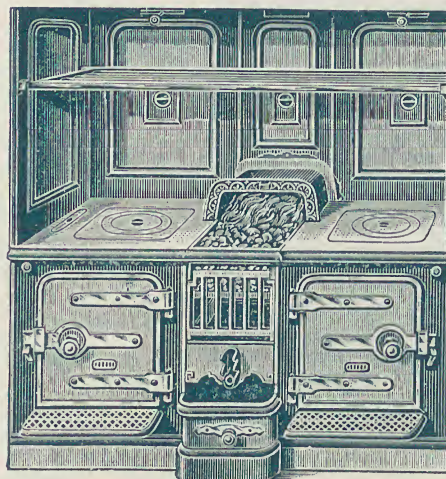
Sizes 36 40 42 44 46 48 in. wide.

Prices—  
Oven and Sham } 123/- 129/6 133/- 136/- 139/- 142/- each.

Oven and Boiler 144/- 151/- 154/- 157/- 161/- 164/- „

If with Open and Close Fire, 8/6 extra.

No. 2487.



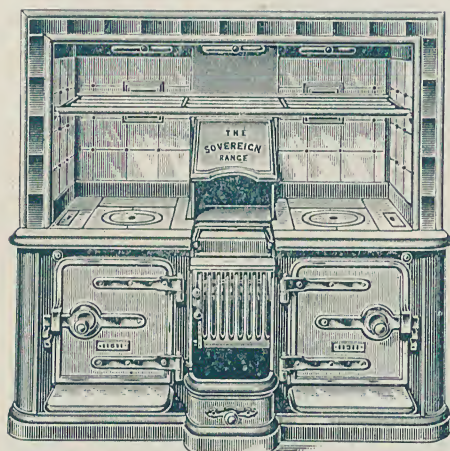
Strong best fitted Double Oven Kitcheners, with full Covings, Plate Rack, Open and Close and Raising Fire arrangement, all bright fitted, and of the very best make.

Height to Hot Plate 27 in. x 18 in. deep.

Sizes ... 45 48 54 60 66 in. wide.

Price ... 204/- 210/- 233/- 251/- 275/- each.

No. 2488.



Extra Strong Kitchener with Tiled Covings all round, Tiled Jamb Mouldings, Circle Corners, Sliding Fire Cover, Open and Close and Raising and Lowering Fire.

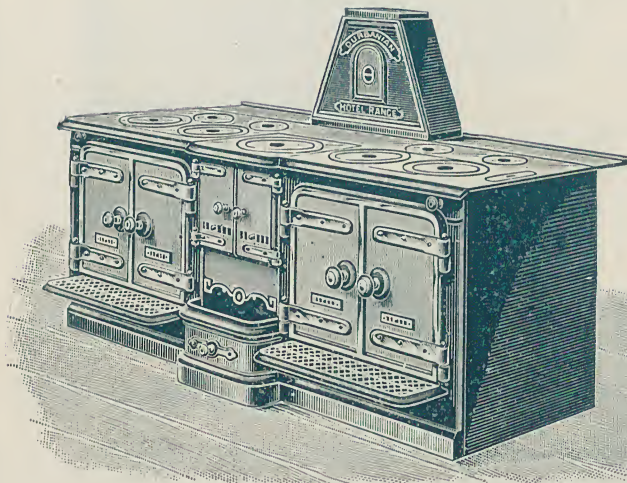
Hobs 30 in. high, 22 in. deep x  $\frac{3}{4}$  in. thick.

6 in. x 4 in. Circle Ends. Covings 30 in. high.

Sizes ... 48 54 60 66 72 in. wide.

Price ... 495/- 530/- 568/- 612/- 659/- each.

No. 2489.



Hotel Range.

It is Self-Setting; Flues are made of Strong Cast-Iron Plates, bright fitted throughout, extra large Ovens, and fitted with a Wrought-Iron Boiler at back of Fire.

Ground Hot Plate 30 in. deep, 30 in. high.

Sizes 48 54 60 66 72 in.

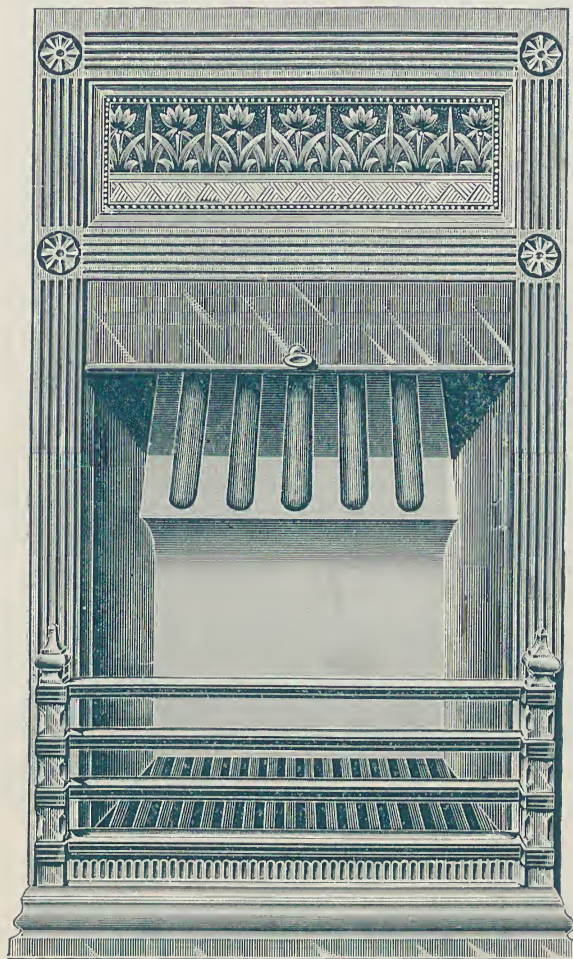
Price £18 10 0 21 15 0 23 10 0 25 10 0 27 0 0 each.

We shall at all times be pleased to submit large size drawings of any Ranges shown; also to give Estimates for fixing Kitcheners by experienced workmen.

Awards for Excellence of Machines and Tools:



## INTERIORS.



**No. 2490.**

### Parson's Grate.

Fitted with Metal Curtain and Elower Bars to hook on from outside, Milner Back, Grate Bottom, and Fret.

Sizes made: 20 to 24 in. wide by 36 in. high.

Fires 16 and 18 in.

#### Prices:

Fine Cast	...	...	...	...	50/-	each.
Third Finish	...	...	...	...	53/6	"
Second Finish	...	...	...	...	58/6	"
Best Finish	...	...	...	...	67/-	"

Samples and prices of Tiles suitable for this Stove on application.

**No. 2491.**

Interior with Berlin Black Curtain, with Sham Brick Back and Sides in three parts, Grate Bottom and Fret, with Blower complete as drawn.

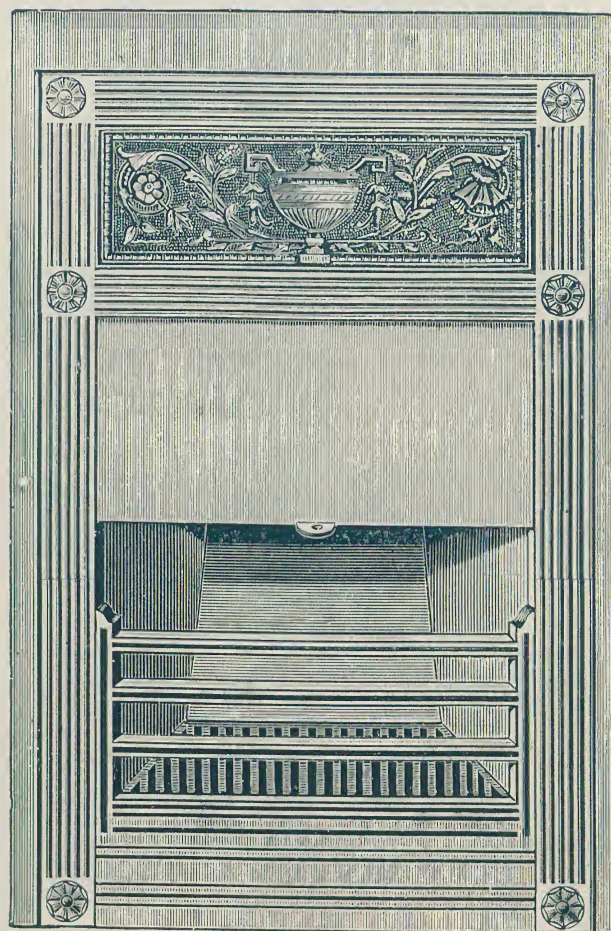
Sizes made: 20 to 24 in. wide by 36 in. high.

Fires 16 and 18 in.

#### Prices:

Fine Cast	...	...	...	...	44/-	each.
Third Finish	...	...	...	...	51/-	"
Second Finish	...	...	...	...	54/-	"
Best Finish	...	...	...	...	62/-	"

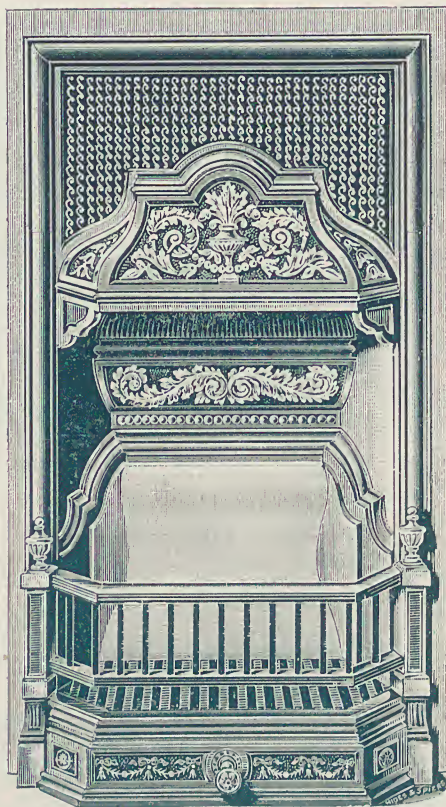
Samples and prices of Tiles suitable for this Stove on application.



**Bronze Medal, 1884.—Gold Medal, 1890.**



## INTERIORS.

**No. 2492.**

Interior with Chair Brick Back, Vertical Bars, with Black Knobs,  
Grate and Fret complete, as drawn.

Sizes made: 18 in., 20 in., 22 in., 24 in. wide by 36 in.  
or 38 in. high.

Fires 14 in., 16 in., and 18 in.

## Prices:

Fine Cast	...	...	...	...	29/-	each.
Third Finish	...	...	...	...	33/-	"
Second Finish	...	...	...	...	41/-	"
Best Finish	...	...	...	...	67/6	"

All kinds of Fancy and Plain Glazed Hearth Tiles kept  
in stock.

Samples sent on application.

**No. 2494.**

This Interior is made with a Draw-out Canopy, Semicircular Solid Brick Back, with Solid Brick in front, sloping inwards, the bottom forming a Dish or Basin with loose Grate to lift out. Ventilating Fret with Pan attached. The Grate is made on the principle of securing a clean Cosy Fire with economy in fuel and cleanliness in taking out the ashes. When the Fire is out the bottom Grate can be removed, the dust and ashes may then be carried away in the Pan without causing any to fly about the room

Sizes made: 20 in., 22 in., and 24 in. by 38 in. high, with  
16 in. and 18 in. Fires.

## Prices:

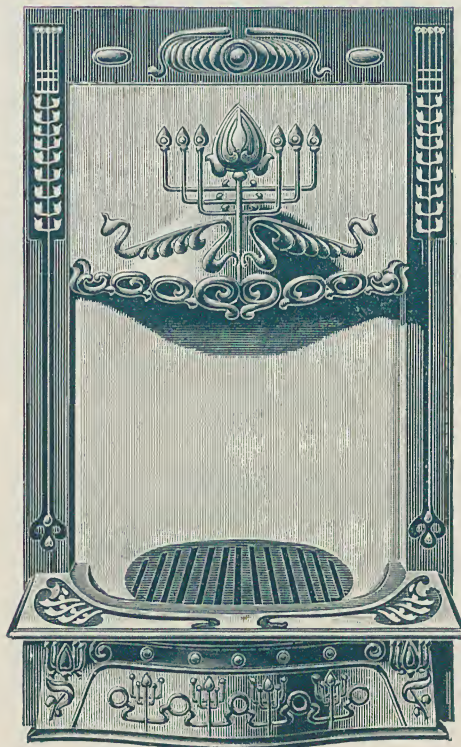
Second Finish, Berlin Black	...	...	£4 0 0
Best Finish, Berlin Black	...	...	£4 7 6

If Electro-bronzed Canopy, extra 16/-

If Electro-bronzed Fire Front Parts, extra 11/-

Brass or Copper Repoussé Canopies, extra from 40/-

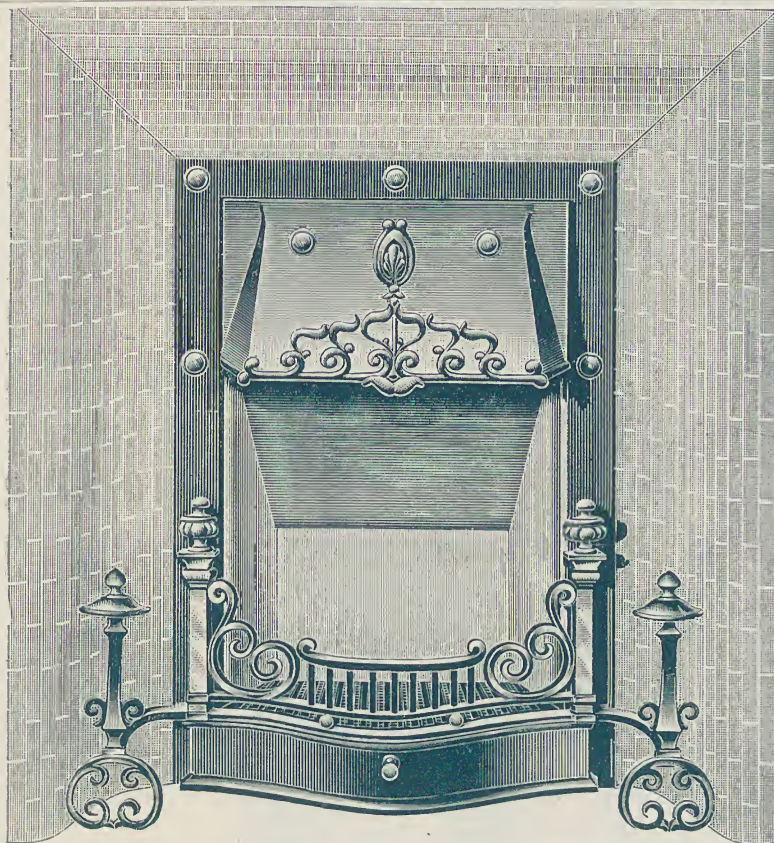
High Class Slabbed Panels for Sides any colour from  
20/- per pair.



**Awards for Excellence of Machines and Tools:**



## HIGH-CLASS INTERIORS.



**No. 2496.**

Interior, with Brass or Copper Repoussé Front Mouldings, Canopy, and Fret. Ornamental Fire Bars with Dogs, with Cast Brass or Copper Finials on Bars. The Dogs are Cast or Wrought Iron with Cast Brass or Copper Caps and Finials, as shown. 4-part Brick Back with Grate Bottom, complete.

Sizes made :

20 in. x 30 in.	...	...	16 in. Fire.
22 " x 30 "	...	...	18 " "

Best Finish, Polished and Lacquered,

**£11 15 0**

The Tile Surrounds quoted on application.

Tile Hearths in all Colours, patterns and samples on application.

**No. 2497.**

Interior, with Brass or Copper Repoussé Front Mouldings, Canopy, and Fret. Ornamental Vertical Bars, as drawn, with Brass or Copper Finials. 4-part Brick Back with Grate Bottom, complete.

Sizes made :

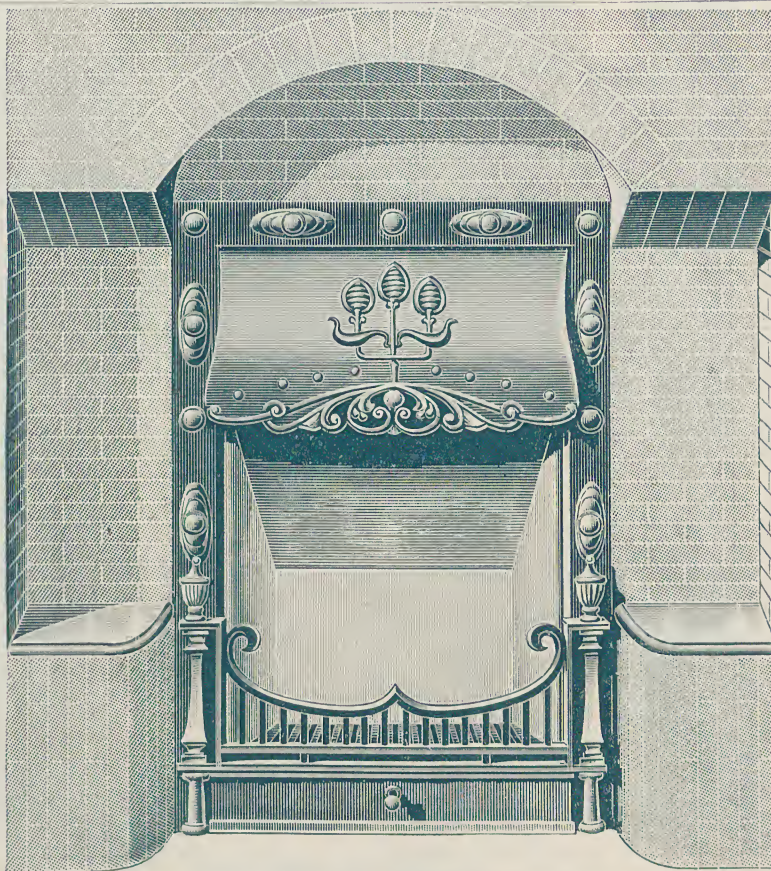
20 in. x 30 in.	...	...	16 in. Fire.
22 " x 30 "	...	...	18 " "

Best Finish, Polished and Lacquered,

**£11 0 0**

The Tile Surrounds quoted on application.

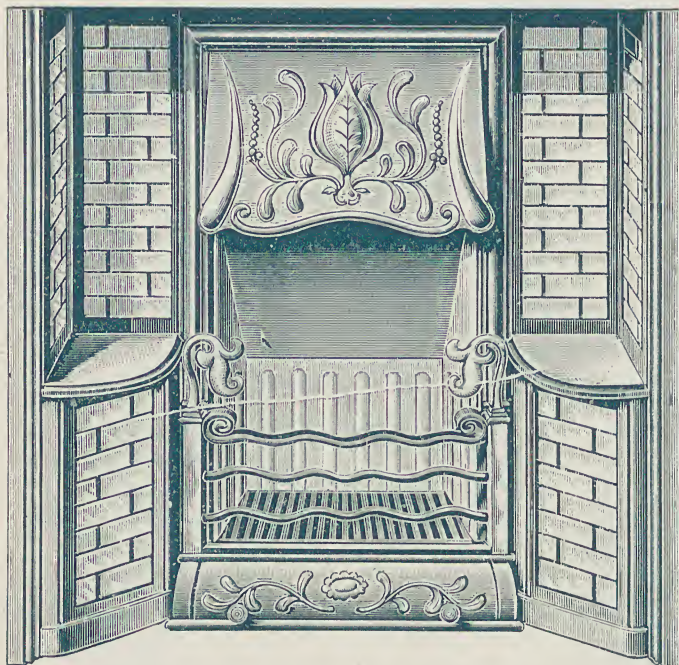
Tile Hearths in all Colours from 15/- per Hearth.



Bronze Medal, 1884.—Gold Medal, 1890.



## HOB REGISTER AND MANTELPiece.



**No. 2498.**

Interior Hob Register, with Draw-out Canopy, Brick Back in four parts, prepared for 6 in. Tiles in Covings, and Hob Front, Horizontal Wavy Bars with Cast Copper Finials, Fret with Copper Knobs and Covering-in Plate complete.

Sizes made: 38 in. or 40 in. wide × 38 in. high.  
16 in. and 18 in. Fires.

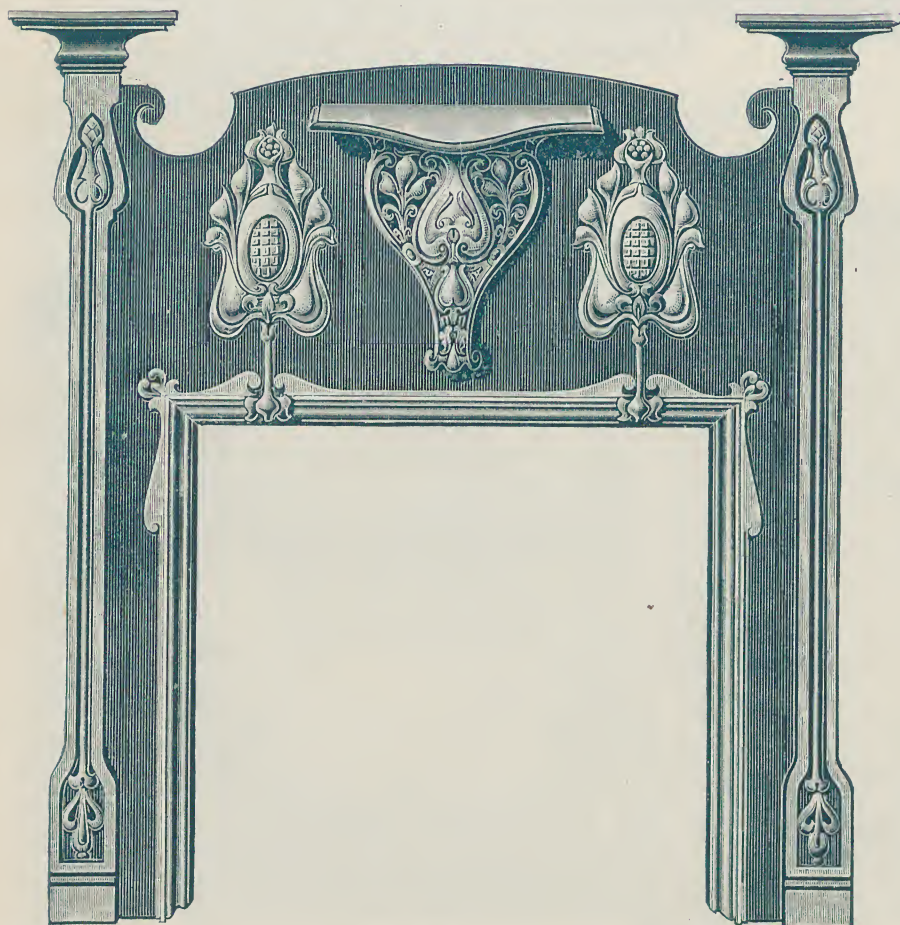
Prices:

Best Finish, Berlin Black, *No Tiles*, **£7 : 10 : 0**

If Alexandra Bronzed Canopy and Fret,  
extra **22,6**

Tiles as drawn, extra **17/-**

Weight, 2 cwt.



**No. 2499.**

Cast Iron Mantelpiece, with Bracket and Caps instead of Shelf, made for Stoves 38 in. × 38 in.

Dimensions:

57 in. over all across the Plinths.

66 in. high over all.

Plinths, 10 in.

Return, 2½ in.

Prices:

Painted, one Coat of Paint,  
**£4 : 9 : 0**

Painted, three Coats of White, stoved on,  
**£4 : 15 : 0**

Awards for Excellence of Machines and Tools:



## HIGH-CLASS MANTEL REGISTER.

No. 2500.



Mantel Register, with "Drawwell" Fire Grate, Draw-out Canopy and Semicircular Solid Fire Brick Back, with Solid Brick in Front, sloping inwards, Loose Grate to lift out and pan attached to fret.

The Mantel fitted with Capped Brackets and Under Bracket as shown.

### Dimensions:

42 wide x. 56 in. to top of Caps.				The Caps, $10\frac{1}{2} \times 7\frac{1}{4}$ in.				Plinths, 10 in.				Fire, 16 in.			
Fine Cast Interior, Mantel, One Coat of Paint	...	...	...	...	...	...	...	...	...	...	...	...	...	...	£5 : 17 : 6
Third Finish „ „ One „ „	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6 : 5 : 0
Second Finish „ „ One „ „	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6 : 10 : 0

If Electro Bronzed Canopy on Second Finish only, extra 20/-

If Mantel Painted Three Coats Plain Paint, Stoved on, extra 15/-

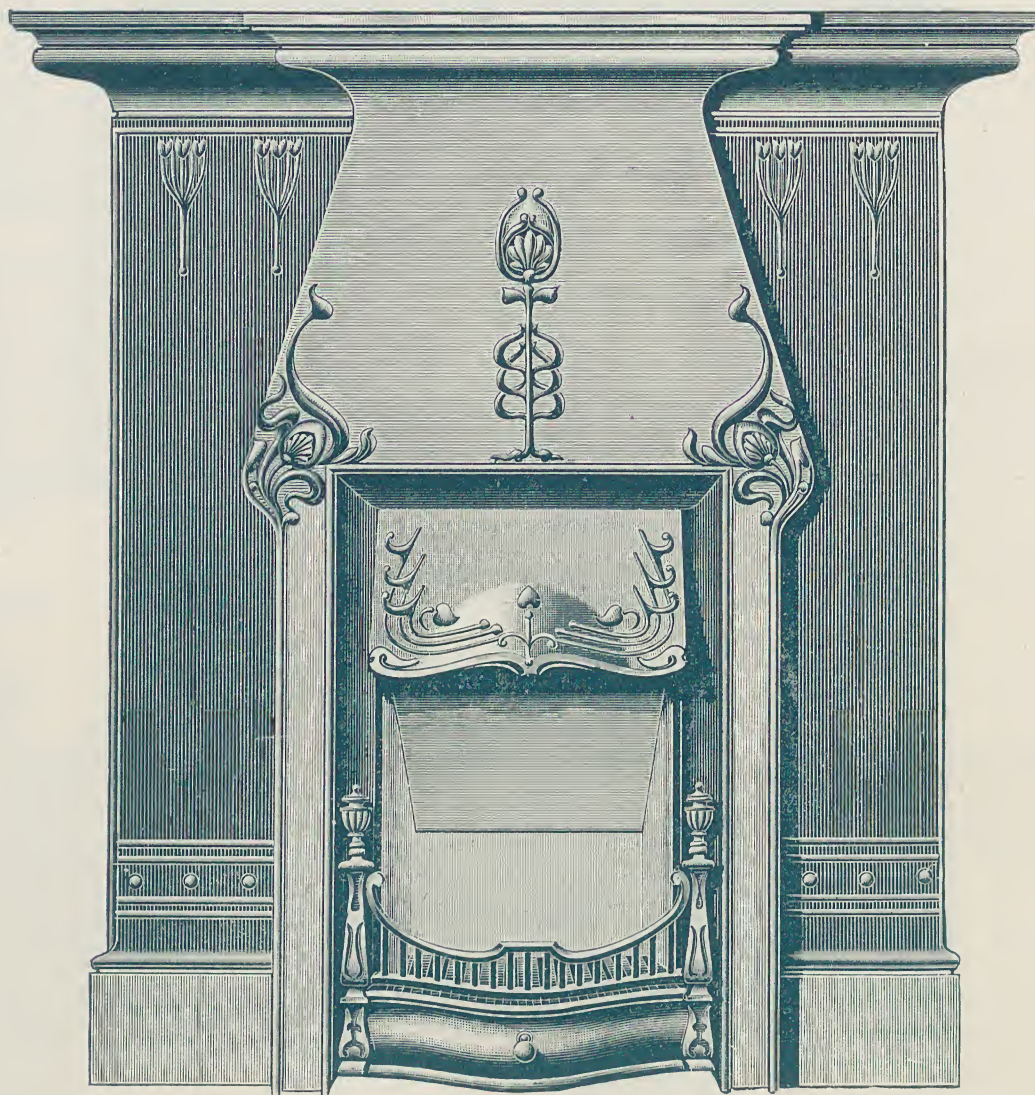
Average Weight : 2 cwt. 2 qr. 10 lb.

Bronze Medal, 1884.—Gold Medal, 1890.



## HIGH-CLASS MANTEL REGISTER.

No. 2501.



Strong Mantel Register, with Draw-out Canopy, Brick Back in four parts, Vertical Steel Bars with Brass Knobs, Grate Bottom and Fret.

16 in. Fire.

Dimensions: Mantel, 42 in. wide x 56 in. high. Shelf,  $50\frac{1}{2}$  x 7 in.

Fine Cast and Blacked Interior, Mantel, One Coat of Paint	...	...	...	...	...	...	...	...	£4 12 6
Third Finish, B.B. Interior	"	"	"	...	...	...	...	...	4 17 6
Second Finish	"	"	"	"	"	...	...	...	5 2 6

If Fitted with "Drawwell" Fire, extra 6/-

Awards for Excellence of Machines and Tools :



## UPHOLSTERED CURBS, FIRE SCREENS, Etc.

### No. 2506.

All Brass, as drawn, up to  
4 ft. 6 in. inside  
£8 8 0

### No. 2507.

Black and Copper, as drawn,  
up to 4 ft. 6 in. inside  
£6 15 0

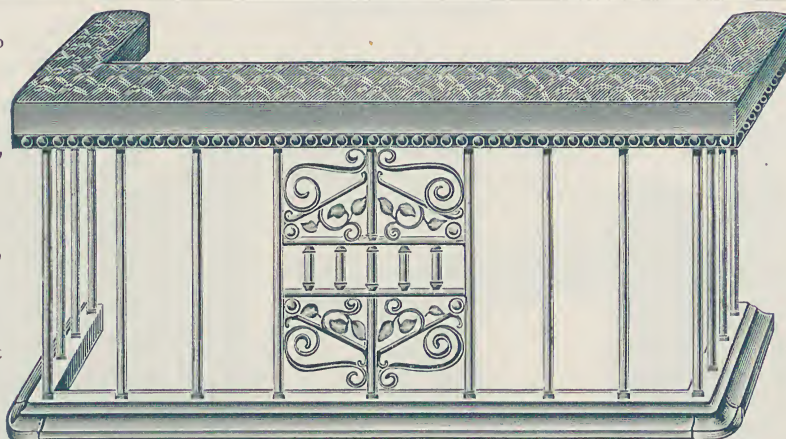
### No. 2508.

Plain Brass, without centre,  
height 24 in.  
£6 0 0

### No. 2509.

Black and Brass, without  
centre  
£5 0 0

Exclusive of seats.



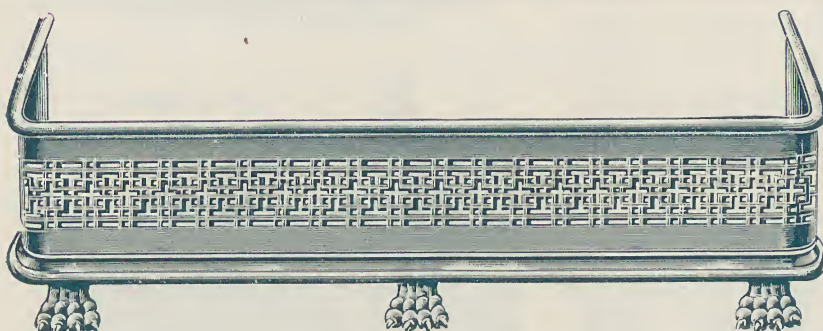
### PRICES UPHOLSTERED SEATS.

6 in. Buttoned Morocco  
10/9

6 in. Plush or Tapestry  
9/-

Per foot run, measuring all  
round outside.

*For other designs please write  
for special sheet.*



### No. 2510.

### All Brass Polished Antique Fenders

Made to order.

Any size up to 4 ft. 3 in.

Price 40/- each.

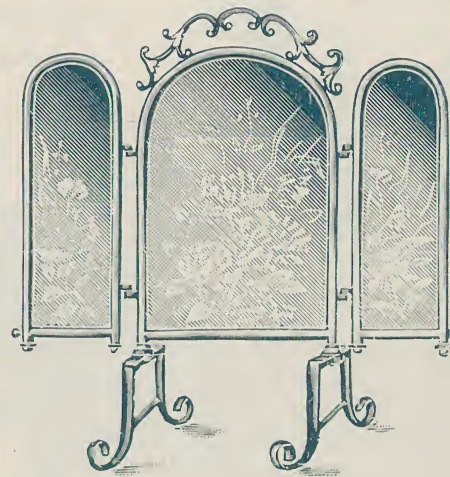
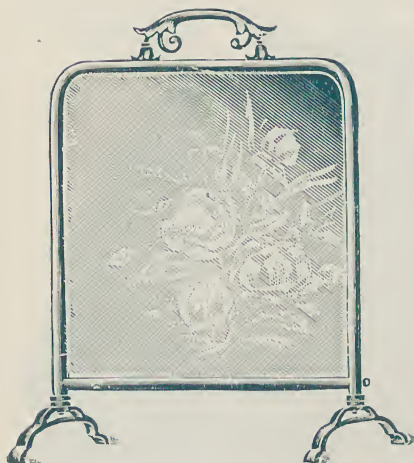
### No. 2511.

### Polished Brass Antique Fender.

Hand-Worked Repoussé Front.

Sizes up to 4 ft. 6 in.

Price 112/- each.



### Hand-Painted Mirror Fire Screens.

With Polished Brass Frames.

No. 2512. Price 39/- each.

No. 2513. Price 67/6 each.

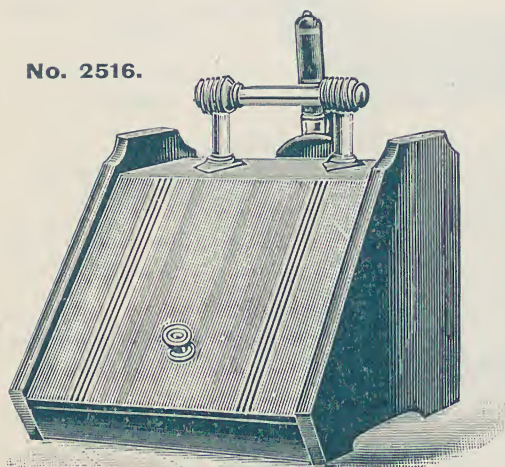
No. 2514. Folding, 95/- each.

Bronze Medal, 1884.—Gold Medal, 1890.



**WOOD COAL VASES.**

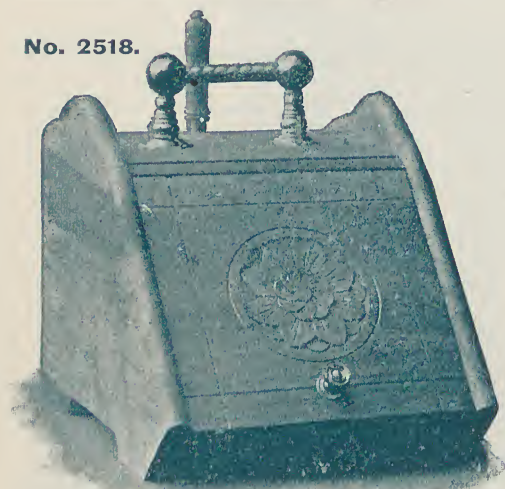
Made throughout in Solid Walnut or Oak, fitted with Galvanized Linings and best Brass Fittings.

**No. 2516.****No. 2516.**

Width. Height. Depth.  
Size  $11\frac{3}{4}$   $10\frac{3}{4}$   $15\frac{1}{4}$  in.  
Price **18/-** each.

**No. 2517.****No. 2517.**

Width. Height. Depth.  
Size  $12\frac{1}{4}$   $11\frac{1}{4}$   $15$  in.  
Price **21/-** each.

**No. 2518.****No. 2518.**

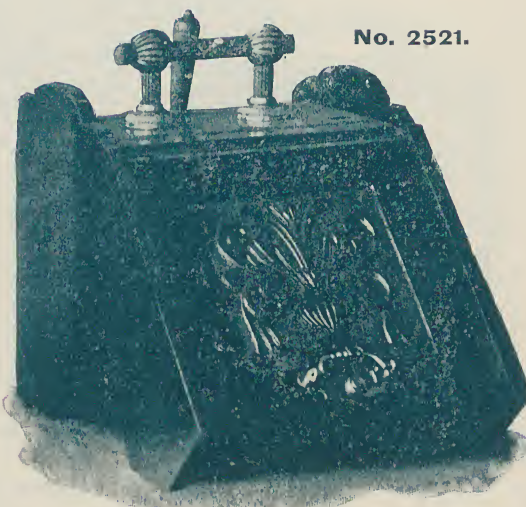
Width. Height. Depth.  
Size  $12\frac{1}{2}$   $12\frac{1}{4}$   $16\frac{1}{2}$  in.  
Price **24/-** each.

**No. 2519.****No. 2519.**

Width. Height. Depth.  
Size  $12\frac{1}{4}$   $12\frac{1}{2}$   $16\frac{3}{4}$  in.  
Price **27/-** each.

**No. 2520.****No. 2520.**

Width. Height. Depth.  
Size  $12\frac{1}{4}$   $12$   $16\frac{3}{4}$  in.  
Price **30/-** each.

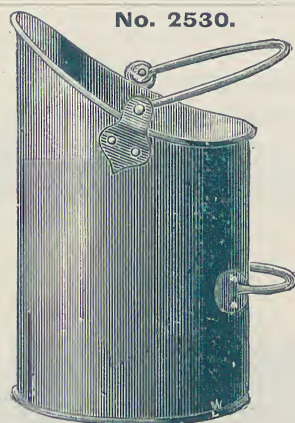
**No. 2521.****No. 2521.**

Width. Height. Depth.  
Size  $12\frac{1}{4}$   $12$   $16\frac{1}{2}$  in.  
Price **26/6** each.

Awards for Excellence of Machines and Tools:



## COAL SCOOPS, BOILER FILLERS, Etc.

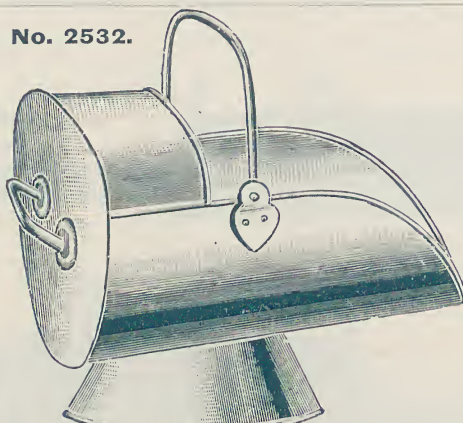


No. 2530.

**Japanned Coal Hod.**

**No. 2530.**—Japanned—  
 Sizes 14 15 16 17 18 in.  
 Price 2/9 3/- 3/6 4/- 4/9 each.

**No. 2531.**—Zinc Lined—  
 Sizes 14 15 16 17 18 in.  
 Price 4/6 5/- 5/6 6/- 6/6 each.

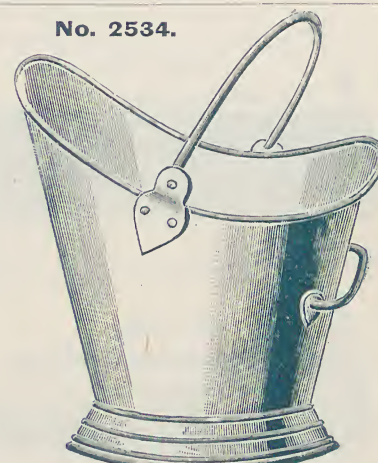


No. 2532.

**Japanned Coal Scoop.**

**No. 2532.**—Japanned—  
 Sizes ... 14 15 16 17 18 in.  
 Price ... 2/9 3/- 3/6 4/- 4/9 each.

**No. 2533.**—Zinc Lined—  
 Sizes ... 14 15 16 17 18 in.  
 Price ... 4/6 5/- 5/6 6/- 6/6 each.



No. 2534.

**Japanned Waterloo Coal Hod.**

**No. 2534.**—Japanned—  
 Sizes 15 16 17 18 in.  
 Price 3/9 4/- 4/9 5/9 each.

**No. 2535.**—Zinc Lined—  
 Sizes 15 16 17 18 in.  
 Price 6/9 7/3 8/- 8/6 each.

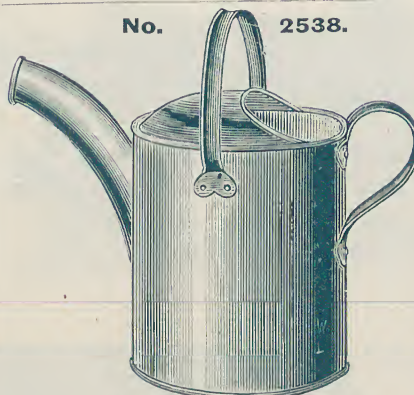


No. 2537.

**Toilet Cans.**

Japanned Oak.

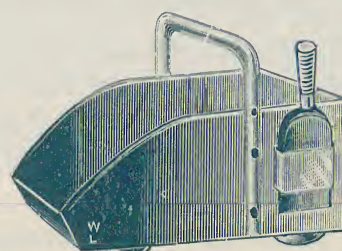
1 1/2 2 3 4 6 8 10 12 qts.  
 2/9 3/- 3/6 4/- 4/6 5/- 5/6 6/- each.



No. 2538.

**Galvanized Boiler Fillers.**

Sizes 1 1/2 2 2 1/2 3 galls.  
 Price 3/- 3/6 4/- 4/9 each.



No. 2536.

**Strong Galvanized Coal Hod.**

Sizes ... 16 17 18 in.  
 Price ... 7/3 7/9 8/6 each.



**Japanned Coal Vase.**

No. 2539.

Price 12/6 each.

If with loose Galvanized Lining, 1/6 each extra.

**Japanned Coal Vase,  
with Brass Hinges.**



No. 2540.

Nos. 1 2 3 4  
 Price ... 4/9 8/6 10/- 12/6 each.  
 If with loose Galvanized Lining, 1/6 each extra.



**BLACK AND BLACK AND BRASS FENDERS.****No. 2541.****Cast Iron Bedroom Fender.**

With Steel Bead and Black Front.

Sizes, 2 ft. to 3 ft. 9 in.

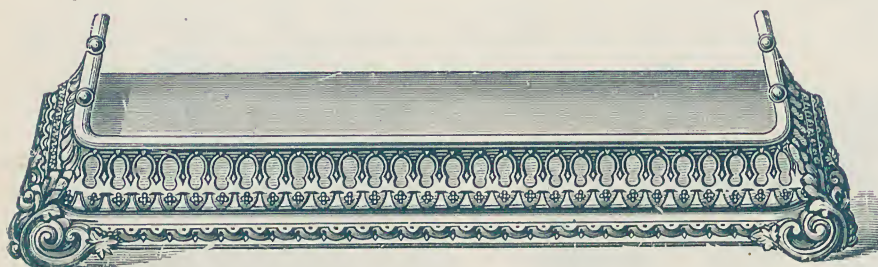
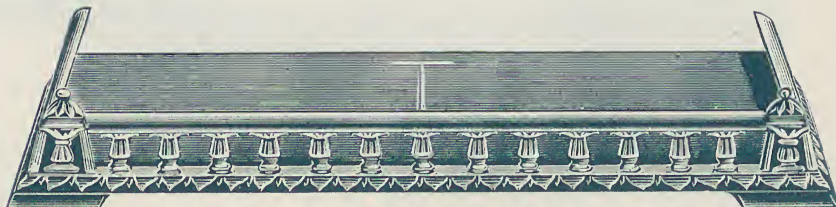
Price 7/9 each.

**No. 2542.**  
**Cheap Bedroom Fender.**

Bright Top.

Sizes, 2 ft. to 3 ft. 6 in.

Price 4/9 each.

**No. 2543.****Strong Fender.**

With Steel Bead and Black Front.

Sizes, 2 ft. to 4 ft. 3 in.

Price 9/- each.

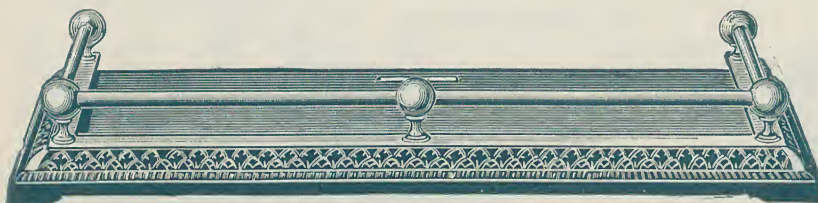
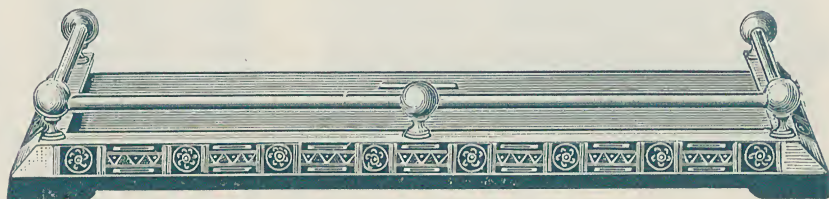
**No. 2544.**  
**Black and Brass Fender.**

 $\frac{5}{8}$  in. Brass Bar, with  $1\frac{1}{2}$  in. Supports.

Sizes, 2 ft. to 4 ft. 6 in., 12/- each.

If with  $\frac{1}{2}$  in. Brass Bar,

Sizes, 2 ft. to 3 ft. 6 in., 9/- each.

**No. 2545.****Black and Brass Fender.**With  $\frac{1}{2}$  in. Brass Bar, 2 in. Supports.

Sizes up to 4 ft. 6 in.

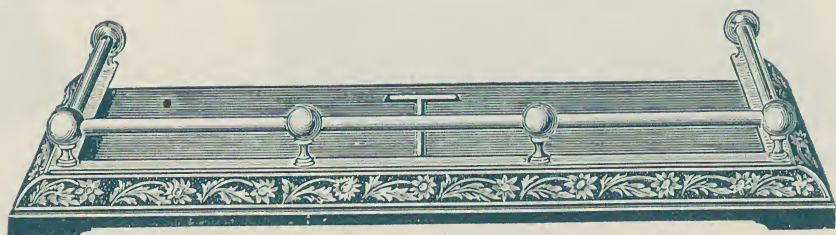
Price 17/- each.

**No. 2546.**  
**Strong Black and Brass Fender.**

With Six Supports, as drawn,  $\frac{1}{2}$  in. Brass Rail, 2 in. Supports.

Price 17/- each.

All sizes up to 4 ft. 6 in.

**Awards for Excellence of Machines and Tools :**



## CAST IRON CURBS.



**No. 2547.**  
**Cast Iron Curbs.**

Section 3 in. x 2 in.

Prices.

Fine Cast...	...	...	...	10/-	each.
Best Berlin Blacked	...	...	...	13/-	"

**No. 2548.**  
**Cast Iron Curb.**

Section  $2\frac{3}{4}$  x 2 in.

Prices.

Fine Cast...	...	...	10/-	each.
Best Berlin Blacked	...	...	14/-	"
Best Berlin Blacked	Section,			
3 x $2\frac{1}{2}$ in.	...	...	16/-	"
Best Berlin Blacked	Section,			
4 x $3\frac{1}{2}$ in.	...	...	24/-	"



**No. 2549.**

**Best Berlin Blacked Curb.**

Section 3 in. x  $2\frac{1}{4}$  in.

Price 16/9 each.

**No. 2550.**

**Best Finished Berlin Blacked Curb.**

Section $2\frac{3}{4}$ x 2 in.	...	...	12/-	each.
Section 4 x $3\frac{1}{2}$ in.	...	...	21/-	"



## BLACK AND BRASS CURBS.



**No. 2551.**

**Black and Brass Curb.**

Section  $2\frac{1}{2}$  x  $1\frac{1}{2}$  in.,  $\frac{3}{4}$  in. Brass Rail,  $1\frac{3}{4}$  in. Supports.

Price 16/- each.

**No. 2552.**

**Black and Brass Curb.**

Section 3 x 2 in.,  $\frac{7}{8}$  in. Brass Rail, 2 in. Supports.

Price 21/- each.



**No. 2553.**

**Black and Brass Curb.**

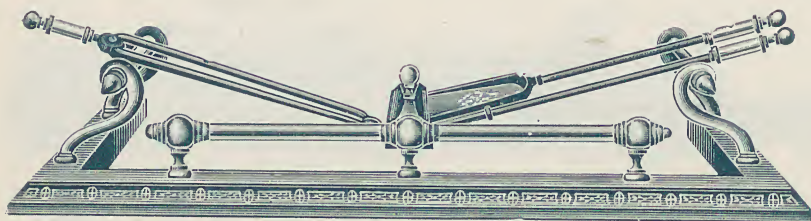
Section  $3\frac{1}{4}$  x  $2\frac{1}{4}$  in., with  $\frac{7}{8}$  in. Brass Rail, 2 in. Supports.

Price 30/- each.

All sizes from 2 ft. 6 in. to 4 ft. 6 in. long inside by 12 in. deep inside kept in stock. Other sizes made to order.

**Bronze Medal, 1884.—Gold Medal, 1890.**



**BLACK AND BRASS CURB SUITES.****No. 2554.****Black and Brass Curb Suites.**

48 in. x 12 in. inside.

Prices.

Curb 28/-

Irons 11/-

Stop 3/6

Suite complete.

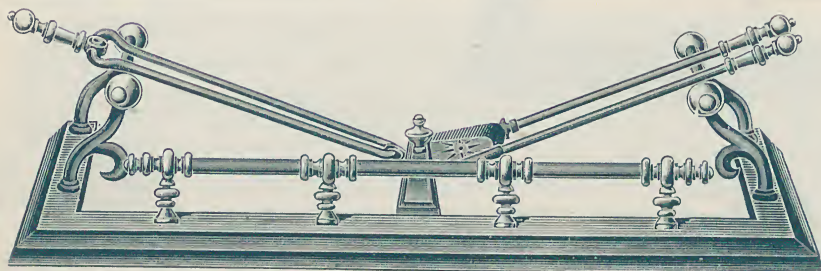
**42/6****No. 2555.****Black and Brass Curb Suite.**

48 in. x 12 in. inside.

Prices.

Curb 24/- Dogs 20/- Irons 16/- Stop 3/6

Suite complete.

**63/6****No. 2556.****Black and Copper Curb Suite.**

Size 48 in. x 12 in. inside.

Prices.

Curb 48/-

Irons 16/-

Stop 4/-

Suite complete.

**68/-****No. 2557.****Black and Copper Curb Suite.**

Size 48 in. x 12 in. inside.

Prices.

Curb 38/- Dogs 15/6 Irons 12/6 Stop 3/9

Suite complete.

**69/9****No. 2558.****Black and Copper Curb Suite.**

Size 48 in. x 12 in. inside.

Prices.

Curb 70/-

Irons 26/-

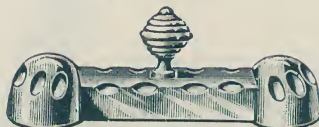
Stop 6/-

Suite complete.

**102/-****No. 2559.****Cast Iron Stop.**

With Fancy Base.

Price 3/- each.

**No. 2560.****Heavy Cast Iron Stop.**

Price 4/- each.

**No. 2561.**

Best Berlin Blacked.

**Cast Iron Stop.**

Price 4/9 each.

**Awards for Excellence of Machines and Tools:**



## BRASS CURB SUITES.



**No. 2563.**

**Cheap Polished Brass Curb.**

Section  $1\frac{1}{2} \times 1$  in.,  $\frac{5}{8}$  in. Rail,  $1\frac{1}{2}$  in. Supports.

Sizes from 2 ft. 6 in. to 4 ft. 6 in. inside.

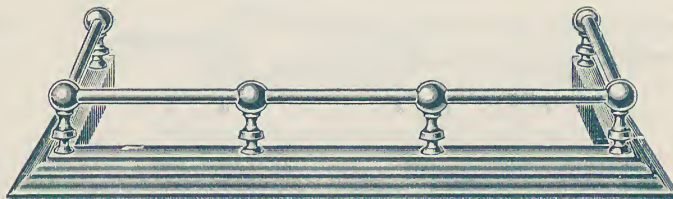
Price **16/-** each.

**No. 2564.**

**Polished Brass Curb.**

Section  $2 \times 1\frac{1}{2}$  in.,  $\frac{3}{4}$  in. Rail, with Fancy Supports.

Price **31/-** each.



**No. 2565.**

**Polished Brass Curb Suite.**

Size,  $48 \times 12$  in. inside.

Prices.

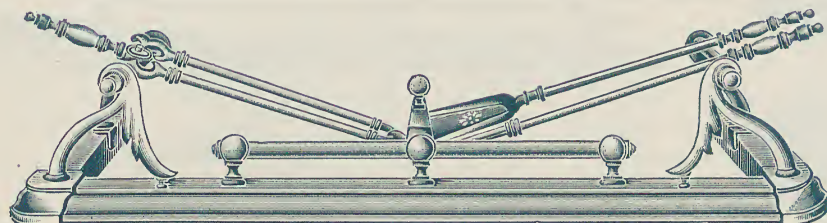
Curb **31/-**

Brasses **10/-**

Stop **3/-**

Suite complete.

**44/-**



**No. 2566.**

**Polished Brass Curb Suite.**

Size,  $48 \times 12$  in. inside.

Prices.

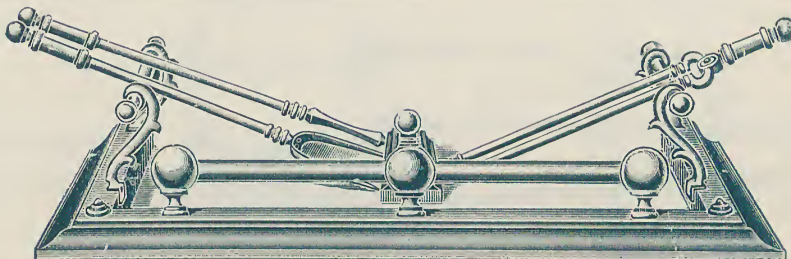
Curb **48/-**

Brasses **13/-**

Stop **4/-**

Suite complete.

**65/-**



**No. 2567.**

**Polished Brass Curb Suite.**

Size,  $48 \times 12$  in. inside.

Prices.

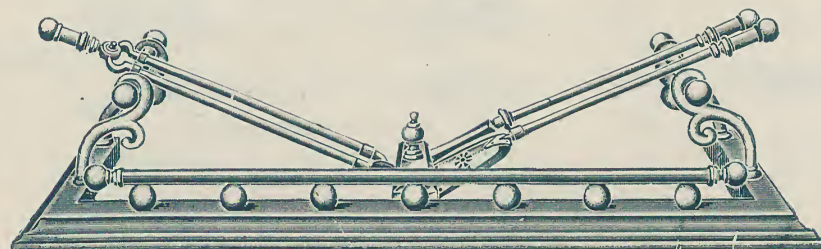
Curb **55/-**

Brasses **17/-**

Stop **4/9**

Suite complete.

**76/9**



**No. 2568.**

**Massive Polished Brass Curb Suite.**

Size,  $48 \times 12$  in. inside.

Prices.

Curb **56/-**

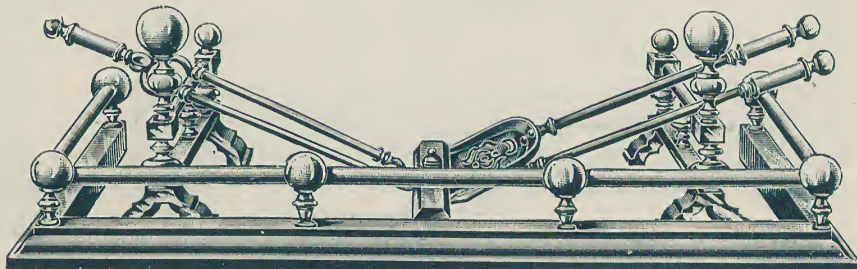
Dogs **43/-**

Brasses **16/6**

Stop **4/6**

Suite complete.

**120/-**

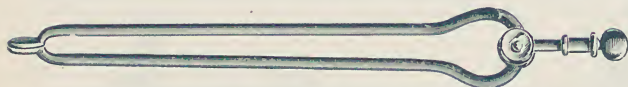


This pattern can be supplied in 3 ft., 3 ft. 3 in., 3 ft. 6 in., 3 ft. 9 in., 4 ft., 4 ft. 3 in., and 4 ft. 6 in. sizes.



**FIRE IRONS.****STEEL.****No. 2570.**

Price 4/- per set.

**No. 2571.**

Price 5/6 per set.

**No. 2572.**

Price 7/6 per set.

**No. 2573.**

Price 9/9 per set.

**BLACK AND BRASS.****No. 2574.**

Price 7/- per set.

**No. 2576.**

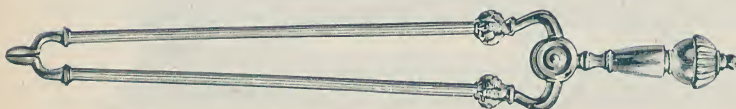
Price 10/9 per set.

**No. 2577.**

Price 12/9 per set.

**No. 2578.**

Polished Brass.



Price 27/- per set.

**ALL BLACK.****No. 2580.**

Price 5/3 per set.

**No. 2582.**

Price 15/- per set.

**No. 2583.**

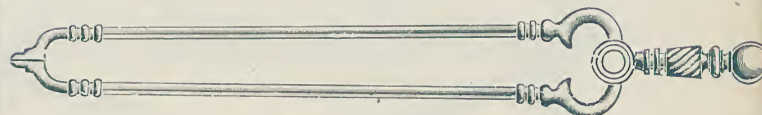
Price 11/6 per set.

**ALL BRASS.****No. 2584.**

Price 10/- per set.

**No. 2585.**

Price 11/6 per set.

**No. 2586.**

Price 15/6 per set.

**No. 2587.**

Price 22/- per set.

**No. 2588.**

Price 33/- per set.

**Awards for Excellence of Machines and Tools:**



## POKERS, FIRE DOGS, Etc.

**No. 2590.**



Black 1/- each.

**No. 2593.**



Black 1/- each. Black and Brass 2/- each.  
Black and Copper 2/6 each.

**No. 2595.**



Black and Brass 2/6 each. Black and Copper 2/9 each.

**No. 2597.**



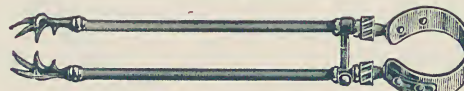
All Brass 2/6 each. Black and Copper 2/6 each.

**No. 2598.**



All Black 3/6 each.

**No. 2592.**



Brass 4/9 pair. Copper 5/6 pair.

**No. 2594.**



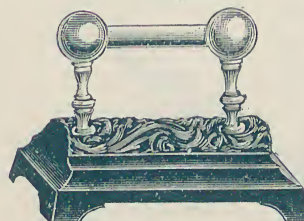
Brass 3/- pair.

**No. 2596.**



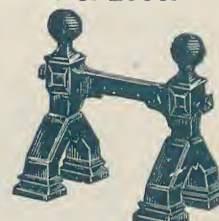
Brass 4/- pair. Copper 5/- pair. Bright 3/- pair.

**No. 2599.**



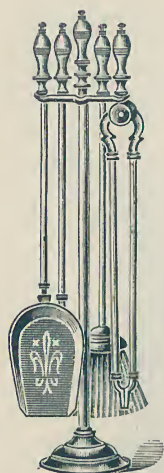
Black and Brass 9/- pair.

**No. 2600.**



Black 9/- pair.

**No. 2601.**



All Brass.  
Price 24/- each.

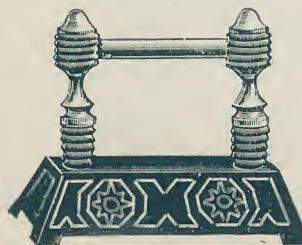
**No. 2602.**



All Brass.  
Price 33/- each.

### Companion Sets.

**No. 2603.**



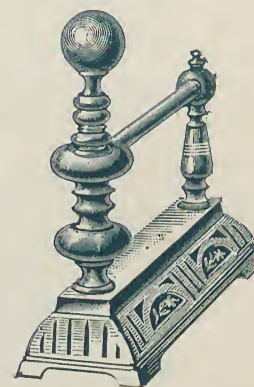
Black and Brass 13/6 pair.

**No. 2605.**



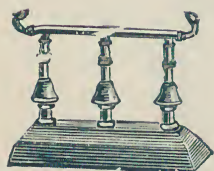
Black and Brass 3/3 pair.  
Bright 2/3 pair.

**No. 2604.**



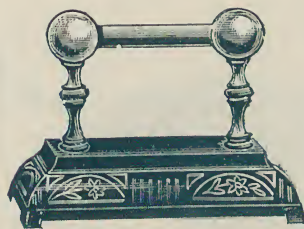
Black and Brass 17/6 pair.

**No. 2606.**



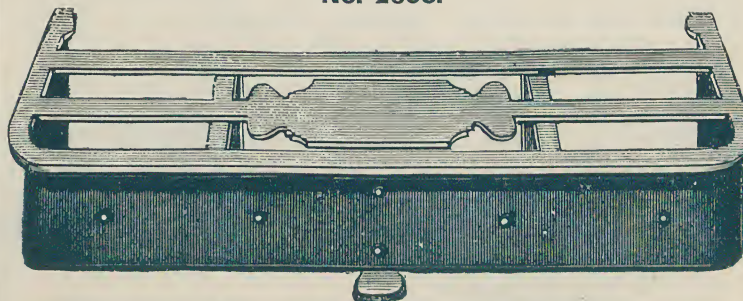
Black and Brass.  
Per 12/- pair.

**No. 2607.**



Black and Brass.  
Per 11/- pair.

**No. 2608.**



**Strong Kitchen Fenders.** Light pattern, 1 1/4 in. top, 5 in. high.

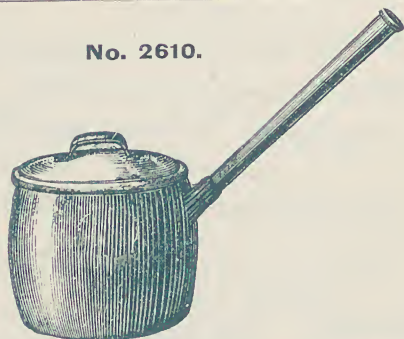
No.	Pattern	Size	Price
No. 2608.	Light Pattern.	3 ft. 3 ft. 6 in. 4 ft. 4 ft. 6 in. 5 ft.	5/3 6/3 7/- 8/- 8/9 each.
No. 2609.	Strong "	"	9/- 10/6 12/- 13/6 15/- "

Bronze Medal, 1884.—Gold Medal, 1890.



# IRON SAUCEPANS, OVAL BOILERS, STEW PANS, Etc.

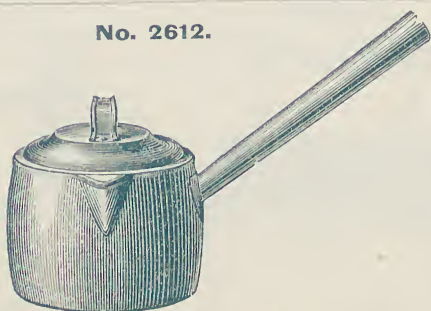
No. 2610.



Tinned Iron Saucepans.

Sizes	1	1½	2	3	4	5	6	pints.
Price	1/5	1/8	1/11	2/4	2/7	3/-	3/3	each.
Sizes	4	4½	5	6	7	quarts.		
Price	3/9	4/-	4/3	5/-	5/6	each.		

No. 2612.



Enamelled Saucepans. With Lip.

Sizes	1	1½	2	3	4	6	7	8	9	10	12	pints.
Price	1/9	2/-	2/3	2/8	2/11	3/7	3/10	4/1	4/6	4/9	5/6	each.

No. 2614.

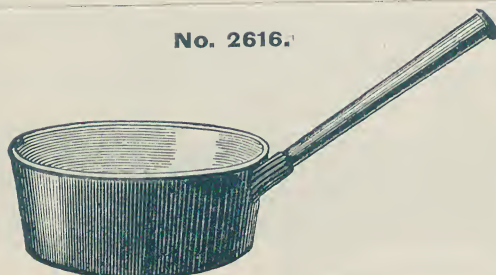


Tinned Iron Saucepans.

With Front Handle.

Sizes	4	6	8	9	pints.	1½	1¾	2	2½	3	gals.
Price	4/3	4/4	5/3	5/9		6/6	7/-	7/6	8/-	9/-	each.

No. 2616.

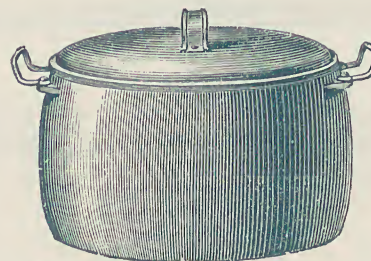


Cast Iron Stew Pans.

With Tin-plate Cover and Long Handle.

Sizes	2	3	5	6	7	8½	10	11	12	14	pints.
Price, tinned	1/9	2/6	3/9	4/6	5/-	5/6	5/9	6/6	7/6	8/6	each.

No. 2611.



Tinned Iron Oval Pots.

End or Bail Handles.

Sizes	2	2½	3	3½	4	5	6	7	8	10	12	gals.
Price	5/9	7/3	7/9	9/-	10/9	12/6	14/6	15/9	18/-	21/6	24/-	each.

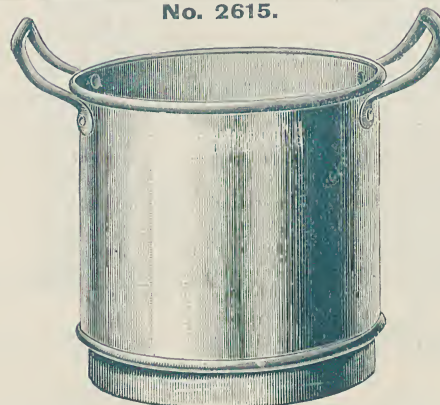
No. 2613.



Best Enamelled Iron Preserving Pans.

Diamr.	10	11	12	13	14	16	18	20	in.
Depth	4¼	4½	4¾	4¾	5	5¼	5½	6¼	in.
Price	6/-	6/6	6/9	7/6	9/-	11/6	14/-	17/-	each.

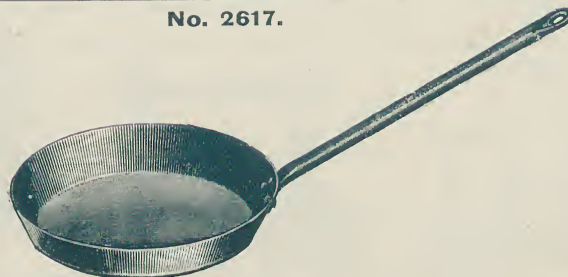
No. 2615.



Potato Steamers (only). Block Tin.

For	4	6	8	10	12	14	pint saucepans.
Price	2/-	2/3	2/6	2/9	3/-	3/3	each.

No. 2617.



Tinned Iron Fry Pans.

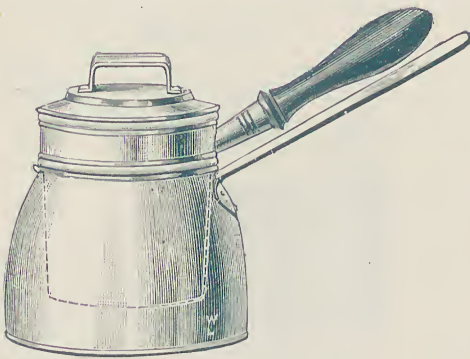
Sizes.	6	7	7½	8	8½	9	9½	10	11	12	14	in.
Price, round or oval.	1/-	1/3	1/4	1/6	1/8	1/11	2/1	2/5	3/-	3/9	4/9	each.
	Measured across bottom.											

Awards for Excellence of Machines and Tools:



## MILK SAUCEPANS, DIGESTERS, TEA KETTLES, Etc.

No. 2618.



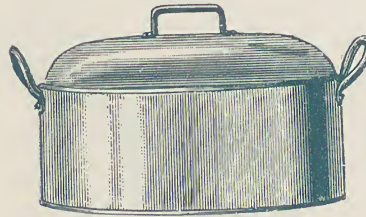
**Milk Saucepans.**

Tin, with China Lining.

Sizes	1	1½	2	3	4	5	6	pint.
Price	3/9	4/-	4/6	6/-	7/-	8/6	9/6	each.

Linings hold half the sizes above.

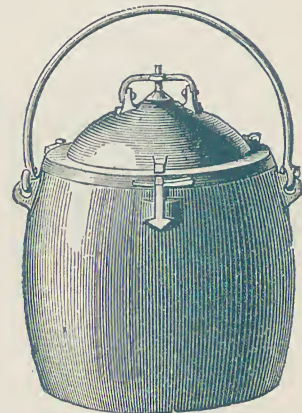
No. 2619.



**Best Block Tin Fish Kettle.**

Sizes	15	17	18	22	in.
Price	7/6	10/-	13/6	21/-	each.

No. 2620.

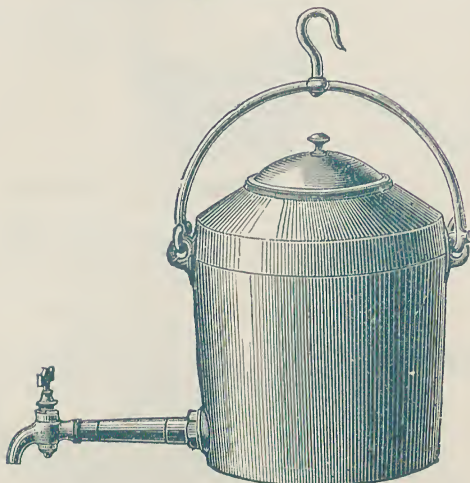


**Cast Iron Digesters.**

Sizes	¾	1	1½	2	2½	3	gal.
Price	5/6	6/-	8/-	10/-	11/6	13/-	ea.

The above are made up to 16 gallons.

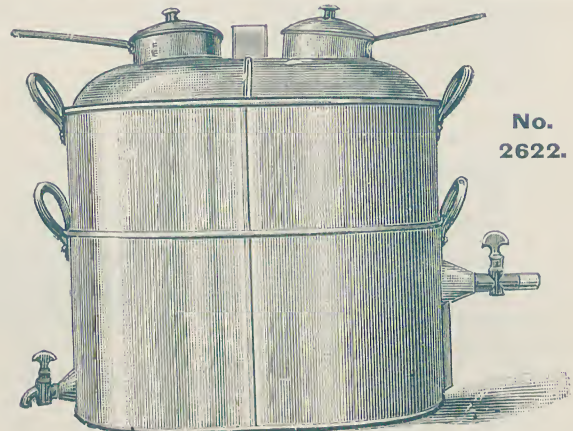
No. 2621.



**Cast Iron Tea Kitchen.**

Sizes	2	2½	3	3½	4	5	6	7	8	9	gal.
Price	14/9	16/-	17/9	18/9	19/9	21/6	25/-	28/-	30/-	34/-	ea.

No. 2622.



**Oval Boiling Pot and Steamer.**

With Partition, 2 Saucepans in Cover, 2 Taps.

Sizes	14 × 10 × 9½ deep	Price	37/6	each.
"	16 × 11½ × 9¼ deep	Price	40/-	"
"	18 × 14 × 10 deep	Price	55/-	"
"	20 × 16½ × 10¼ deep	Price	68/6	"

No. 2623.



**Strong Tin Kettle.**

Sizes	2	3	4	6	8	pint.
Price	2/-	2/6	2/9	3/3	4/-	each.

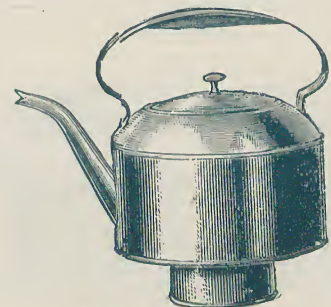
No. 2624.



**Strong Wrought Iron Tea Kettle.**

Sizes	4	6	8	10	pint.
Price	4/-	4/6	5/6	6/9	each.

No. 2625.



**Strong Range Kettle.**

With Strong Copper Well Bottom.

Sizes	2	3	4	5	6	quart.
Price	4/-	4/9	5/6	6/-	—	each.

**No. 2626.** With Copper Bottoms and Wells.

Sizes	2	3	4	5	6	quart.
Price	8/6	9/3	10/-	11/-	12/6	each.



**STAMPED STEEL ENAMELLED HOLLOW WARE.**

Blue Outside and White Inside.

**No. 2627.****Bellied Pot.**

With Burnished Tin Rim Cover.

Sizes	4	4 $\frac{3}{4}$	5 $\frac{1}{2}$	6 $\frac{3}{8}$	7 $\frac{1}{8}$	8	8 $\frac{3}{4}$	9 $\frac{1}{2}$ in.
-------	---	-----------------	-----------------	-----------------	-----------------	---	-----------------	---------------------

"	1 $\frac{1}{4}$	2	3	4	6	8	11	13 pts.
---	-----------------	---	---	---	---	---	----	---------

Price 1/1 1/3 1/4 1/8 1/10 2/4 2/9 3/3 ea.

With Flat Enamelled Covers same price.

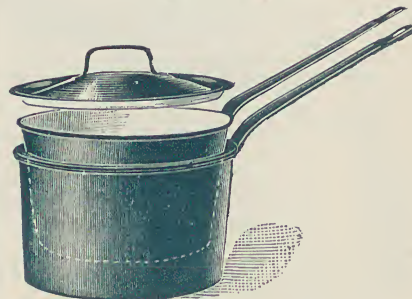
**No. 2628.****Deep Stewpan.**

With Tin Rim Cover.

Sizes	4	4 $\frac{3}{4}$	5 $\frac{1}{2}$	6 $\frac{3}{8}$	7 $\frac{1}{8}$	8	8 $\frac{3}{4}$	9 $\frac{1}{2}$ in.
-------	---	-----------------	-----------------	-----------------	-----------------	---	-----------------	---------------------

"	1	1 $\frac{1}{2}$	2 $\frac{1}{4}$	3 $\frac{1}{2}$	5	6 $\frac{1}{2}$	9	11 $\frac{1}{2}$ pts.
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Price -/7 -/8 -/9 1/- 1/2 1/4 1/6 1/9 ea.

**No. 2629.****Double Milk Saucepan.**

All Enamelled.

Sizes	1	2	3	4	pts. inside pan.
-------	---	---	---	---	------------------

"	1 $\frac{1}{2}$	3 $\frac{1}{2}$	5	6 $\frac{1}{2}$	" outside "
---	-----------------	-----------------	---	-----------------	-------------

Price 2/- 3/- 3/6 4/- each.

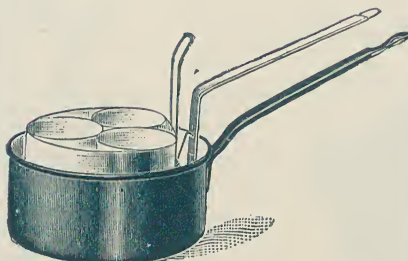
**No. 2630.****Hot Pot.**

With Tin Rim Cover.

Sizes	7 $\frac{1}{8}$	8	8 $\frac{3}{4}$	9 $\frac{1}{2}$	10 $\frac{1}{4}$	11 in.
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"	5 $\frac{1}{2}$	7 $\frac{1}{2}$	10	13	16 $\frac{1}{2}$	19 pints.
---	-----------------	-----------------	----	----	------------------	-----------

Price 1/8 1/11 2/6 3/- 3/6 4/- each.

**No. 2631.****Egg Poacher and Stewpan Combined.**

Poachers in Tins.

For 3 4 eggs.

Price With Cover 1/9 2/- each.

" Without Cover 1/6 1/9 "

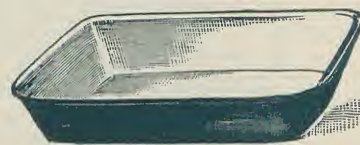
Covers will always be sent unless otherwise ordered.

**No. 2632.****Lipped Saucepan.**

Sizes	3 $\frac{1}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	4 $\frac{1}{4}$ pints.
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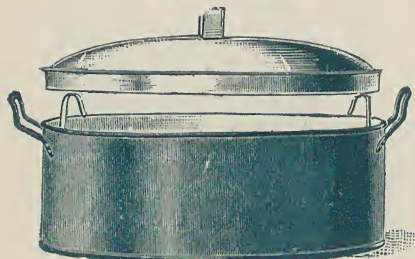
"	4	4 $\frac{3}{4}$	5 $\frac{1}{8}$	5 $\frac{1}{2}$	6 $\frac{3}{8}$	7 $\frac{1}{8}$	8 in.
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Price -/5 -/6 -/7 -/8 -/9 1/- 1/3 each.

**No. 2633.****Oblong Baking Pan.**

Sizes	11	12	13	14	15	16 in.
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Price 1/- 1/2 1/4 1/6 1/9 2/3 each.

**No. 2634.****English Fish Kettle.**Enamelled Kettle and Sieve.  
Tin Rim Cover.

Sizes	13	15	17	19	21 in.
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Price 10/- 11/6 13/6 15/- 18/- each.

**No. 2635.****Funnel.**

Sizes	1/2	3/4	1	1 $\frac{1}{2}$	2 pints.
-------	-----	-----	---	-----------------	----------

"	3 $\frac{3}{8}$	4	4 $\frac{3}{4}$	5 $\frac{1}{2}$	6 $\frac{1}{2}$ in.
---	-----------------	---	-----------------	-----------------	---------------------

Price -/4 -/5 -/7 -/8 -/10 each.

**No. 2636.****Frying Pan.**

Sizes	6 $\frac{3}{8}$	7 $\frac{1}{8}$	8	8 $\frac{3}{4}$	9 $\frac{1}{2}$	10 $\frac{1}{4}$	11 in.
-------	-----------------	-----------------	---	-----------------	-----------------	------------------	--------

Price -/6 -/7 -/8 -/9 -/10 1/- 1/2 each.

**Awards for Excellence of Machines and Tools:**



## STAMPED STEEL ENAMELLED HOLLOW WARE.

All White with Blue Edges.

No. 2637.

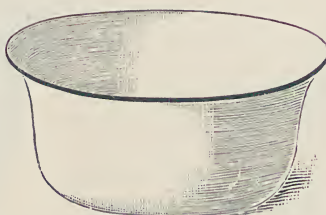


Hand Bowl.

Sizes 8 9 10 in.

Price 1/- 1/3 1/6 each.

No. 2638.



Bowl.

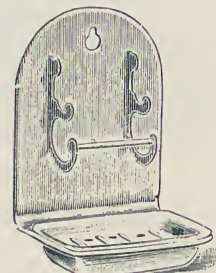
Sizes  $10\frac{1}{4}$  11  $11\frac{3}{4}$   $12\frac{1}{2}$   $13\frac{1}{2}$  in.

Price 1/- 1/2 1/4 1/6 1/8 each.

Size  $14\frac{1}{8}$  15 16 18 in.

Price 1/10 2/- 2/3 3/6 each.

No. 2639.



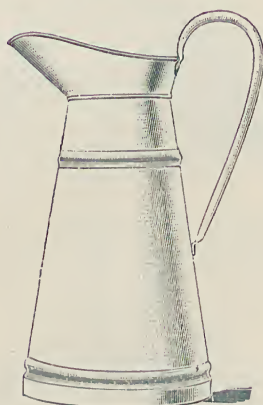
Toilet Stand.

Small. Large.

Price 1/4 2/- each.

Large size fitted with Nickel-plated Rack.

No. 2640.



French Pitcher.

Sizes  $3\frac{1}{2}$   $5\frac{1}{2}$  7 9  $10\frac{1}{2}$   $12\frac{1}{4}$  pints.

Price 1/9 2/- 2/3 2/6 2/9 3/- each.

No. 2641.



Seamless Water or Milk Pail.

$9\frac{1}{2}$   $10\frac{1}{4}$  11 12 in.

13  $15\frac{1}{2}$  19  $24\frac{1}{2}$  pints.

3/- 3/6 4/- 4/6 each.

No. 2642.



Sink Drainer.

Oblong.

Sizes 9 10 12  $13\frac{1}{2}$   $14\frac{1}{2}$  in.

Price 1/9 2/6 3/- 3/6 4/- each.

No. 2645.

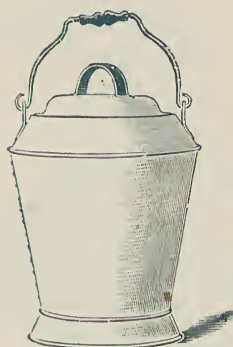


Extra Deep Seamless Round Mixing Bowl.

Sizes 14 16 18 20 in. diam.

Price 4/3 5/- 6/- 8/- each.

No. 2643.



Chamber Pail.

No. 1 2 3

Sizes 10 11 12 in.

Price 6/6 7/- 7/6 each.

No. 2644.



Chamber Pail.

With Wicker Handle.

11 in. diameter. Price 6/6 each.

No. 2646.



Sizes 6 8 pints.

Price 5/6 6/6 each.

Bronze Medal, 1884.—Gold Medal, 1890.

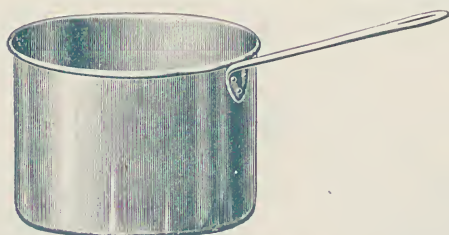


**KITCHEN AND TABLE UTENSILS.**

Made by Patent Welding Process, obtaining an article Solid Nickel Plated on Steel, either Solid Nickel Plated inside and out, or Solid Nickel Plated inside and Solid Copper Plated outside.

They never require re-tinning, are easily cleaned, are very light and elegant in appearance, and exceedingly strong.

No.



2647.

**Deep Stew Pans.**

Sizes  $1\frac{1}{8}$   $1\frac{3}{4}$   $2\frac{5}{8}$  4  $5\frac{1}{4}$   $7\frac{1}{8}$   $9\frac{1}{4}$   $11\frac{3}{8}$  pts.

No. 2647. Rolled Nickel 4/3 4/9 6/- 7/6 9/3 11/- 13/6 15/9 ea.

Copper outside }  
Nickel inside } 4/3 4/9 6/- 7/6 9/3 11/- 13/6 15/9 "

No. 2648. Covers for do. 1/3 1/6 1/8 1/11 2/4 2/7 2/11 3/4 ea.ex.

No. 2751.

**Stew Pot with Lid.**

Sizes  $3\frac{1}{2}$   $5\frac{1}{4}$  8  $9\frac{1}{4}$   $11\frac{1}{2}$  pints.

No. 2651. Rolled Nickel 18/6 20/9 23/9 30/- 35/- each.

No. 2652. Copper outside }  
Nickel inside } 18/6 20/9 23/9 30/- 35/- "

No.



2649.

**Lipped Saucepan.**

Sizes 1  $1\frac{1}{2}$   $2\frac{1}{2}$   $3\frac{1}{2}$   $4\frac{3}{4}$   $5\frac{3}{4}$   $7\frac{1}{2}$   $9\frac{1}{2}$  pts.

No. 2649. Rolled Nickel 4/- 4/10 5/9 7/- 8/- 9/9 11/- 12/9 ea.

Copper outside }  
Nickel inside } 4/- 4/10 5/9 7/- 8/- 9/9 11/- 12/9 "

No. 2650. Covers for do. 1/3 1/8 1/11 2/4 2/7 2/11 3/4 3/4 ea.ex.

No. 2653.

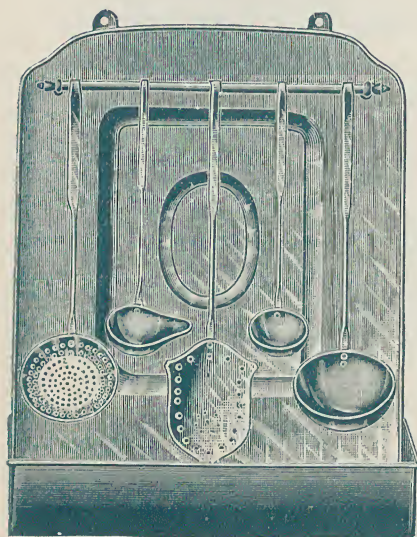
**Frying Pan with Long Handle.**

Sizes  $5\frac{1}{2}$   $6\frac{1}{4}$   $7\frac{1}{4}$   $8\frac{1}{2}$   $9\frac{1}{2}$   $10\frac{1}{4}$  11 in.

No. 2653. Rolled Nickel 3/- 3/6 5/- 5/6 6/9 7/6 9/- each.

No. 2654. Copper outside }  
Nickel inside } 3/- 3/6 5/- 5/6 6/9 7/6 9/- "

No. 2655.

**Spoon Tray.**

$20\frac{1}{2}$  in. high.  $15\frac{3}{8}$  in. wide.

Nickel Plated 18/- each.

Complete with Utensils, as shown, in Real Nickel, Nickel Plated Handles.

Price 39/- complete.

No. 2656.

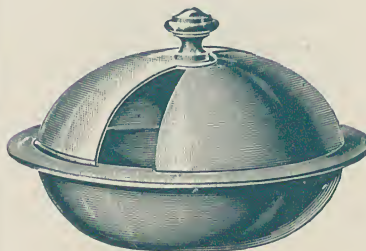
**Game Dish with Cover.**

Nickel Plated.

No. 2656.  $9\frac{7}{8} \times 6$  in. 9/6 each.

No. 2657.  $11\frac{5}{8} \times 7\frac{1}{2}$  in. 11/9 "

No. 2659.

**Revolving Vegetable Dish.**

Diameter  $8\frac{1}{2}$  in.

Nickel Plated 20/- each.

No. 2658.

**Vegetable Dish.**

With Cover and Fancy Handles.

Sizes  $1\frac{3}{4}$   $2\frac{1}{2}$   $3\frac{1}{2}$   $6\frac{1}{2}$   $8\frac{3}{4}$  pts.

Nickel Plated 12/6 13/3 15/9 21/- 25/- ea.

No. 2660.

**Soup Bowl.**

Sizes  $3\frac{1}{2}$   $4\frac{1}{2}$  7  $8\frac{3}{4}$  pints.

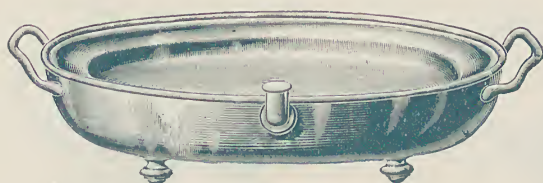
Nickel Plated 15/9 18/9 21/9 25/- each.

Awards for Excellence of Machines and Tools :



## MEAT DISHES, COVERS, TEA TRAYS, Etc.

No. 2661.



**Hot Water Dish.**

Length	14 $\frac{1}{4}$	16 $\frac{1}{2}$ in.
Width	9 $\frac{5}{8}$	11 "
Nickel Plated	21/-	27/- each.

No. 2662.



**Oval Dish Cover.**

Length	11	12	15	17 $\frac{3}{8}$ in.
Width	8 $\frac{1}{4}$	9 $\frac{1}{2}$	10 $\frac{5}{8}$	12 $\frac{1}{2}$ "
Nickel plated	15/6	18 -	26/6	31/- each.

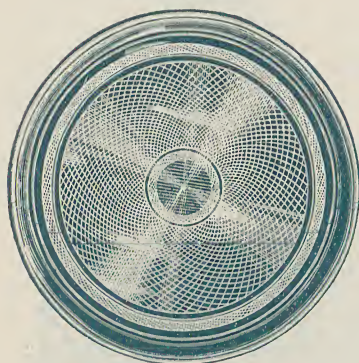
No. 2663.



**Round Dish Cover.**

Sizes	5 $\frac{1}{2}$	6 $\frac{1}{2}$	7 $\frac{1}{2}$	9 $\frac{1}{2}$	11 in.
Nickel Plated	4/9	6/-	8/-	10/9	15/- ea.

No. 2667.

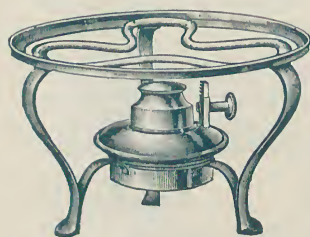


**Round Tea Tray.**

No. 2667.	Nickel Copper Plated.
Sizes	9 $\frac{1}{2}$ 11 $\frac{3}{4}$ 13 $\frac{3}{4}$ 15 $\frac{3}{4}$ 17 $\frac{3}{4}$ in.
Price	2/9 3/9 5/6 7/3 10/6 each.

No. 2668.	Nickel Plated.
Sizes	9 $\frac{1}{2}$ 11 $\frac{3}{4}$ 13 $\frac{3}{4}$ 15 $\frac{3}{4}$ 17 $\frac{3}{4}$ in.
Price	3/9 5/6 7/3 10/- 13/6 each.

No. 2671.



Stand with Lamp.	4 $\frac{3}{8}$ in. diam.
Nickel Plated.	Price 9/- each.

No. 2664.



**Oblong Tea Tray.**

No. 2664.	Nickel Copper Plated.
Sizes	10 $\frac{1}{4}$ 12 $\frac{1}{4}$ 14 $\frac{1}{2}$ 16 $\frac{1}{2}$ 18 $\frac{1}{2}$ 20 $\frac{1}{2}$ in.
Price	3/6 4/- 6/- 8/- 10/6 14/- each.

No. 2665.	Nickel Plated.
Sizes	10 $\frac{1}{4}$ 12 $\frac{1}{4}$ 14 $\frac{1}{2}$ 16 $\frac{1}{2}$ 18 $\frac{1}{2}$ 20 $\frac{1}{2}$ in.
Price	4/3 5/9 8/- 8/6 14/6 19/- each.

No. 2669.



**Tea Kettle and Stand.**

Sizes	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$ pints.
Price, Nickel Plated	34/-	35/-	37/- each.

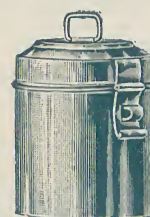
No. 2666.



**Tea Canister.**

Nickel Plated.	
2 oz.	4 oz.
Price	3/- 4/6 each.

No. 2670.



**Coffee Canister.**

Nickel Plated.	
Sizes	1 2 3 4 lb.
Price	4/6 6/- 8/- 8/6 each.

No. 2672.



**Tea Strainer.**

Nickel Plated. Ebony Handle.	
Price	3/- each.

No. 2673.



**Milk Jug.**

Nickel Plated.	
Sizes	$\frac{1}{4}$ $\frac{2}{8}$ $\frac{3}{8}$ $\frac{5}{8}$ 1 $\frac{1}{4}$ pts.
Price	3/- 3/3 3/6 4/9 6/- each.



## TEA AND COFFEE POTS.

No. 2674.



Tea Pot.

With Metal or Black Handle.

Sizes 1 1 $\frac{3}{8}$  2 2 $\frac{1}{2}$  pints.  
 Nickel Plated 12/- 13/9 15/- 16/6 each.

No. 2675.



Tea Pot.

With Metal or Black Handle.

Sizes 1 $\frac{1}{4}$  1 $\frac{3}{8}$  2 2 $\frac{3}{4}$  pints.  
 Nickel Plated 13/3 13/6 16/- 19/6 each.

No. 2676.



Tea Pot.

With Metal or Black Handle.

Sizes 1 $\frac{1}{4}$  2 $\frac{1}{4}$  2 $\frac{7}{8}$  pints.  
 Nickel Plated 10/- 11/- 13/6 each.

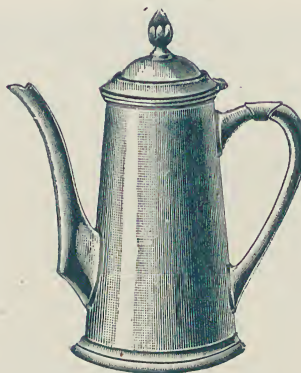
No. 2677.



Water Jug.

Sizes 1 $\frac{3}{4}$  3 $\frac{1}{2}$  5 $\frac{1}{4}$  9 $\frac{1}{2}$  pints.  
 Solid Nickel 12/6 17/6 24/- 32/- each.

No. 2678.



Coffee Pot.

Metal or Black Handle.

Sizes 1 1 $\frac{1}{2}$  2 3 4 pts.  
 Nickel Plated 8/- 8/6 10/- 10/6 15/6 ea.

No. 2679.



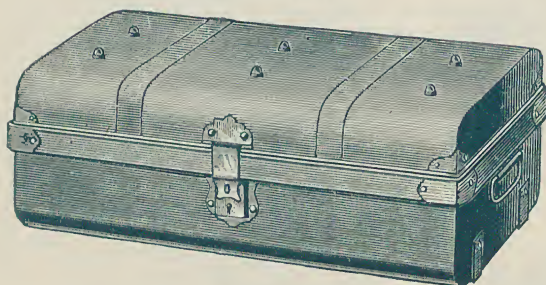
Coffee Pot.

Metal or Black Handle.

Sizes 1 1 $\frac{1}{4}$  2 2 $\frac{3}{4}$  pints.  
 Nickel Plated 14/- 15/- 16/- 20/- each.

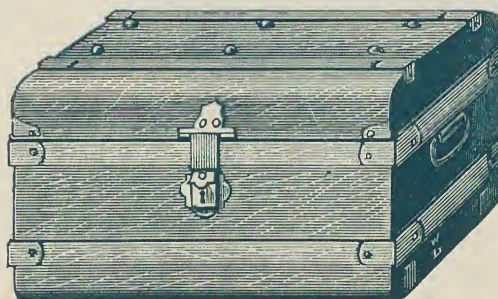
## JAPANNED TRAVELLING TRUNKS.

No. 2680.



For Cabin Use.  
 Sizes 24 26 28 30 in.  
 Price 10/9 11/6 12/6 15/- each.  
 Extra Strong, 36 in., 32/- each.

No. 2681.



Best  
 Oak  
 Japped.

Sizes 24 26 28 30 in.  
 Price 11/6 15/- 17/6 21/- each.

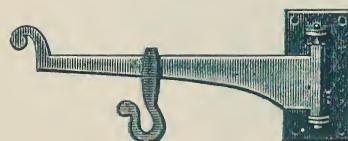
No. 2682.



Hinged Tin Blowers for Stoves and Ranges.

Length 30 36 39 42 48 54 in.  
 Depth 9 9 9 9 11 11 in.  
 Price 2/3 2/9 3/- 3/6 4/- 4/6 each.

No. 2683.



Best Bottle Jack Cranes.

Price 2/9 each.

Awards for Excellence of Machines and Tools :



## SLATERS' HAMMERS, BILLHOOKS, Etc.

No. 2684.



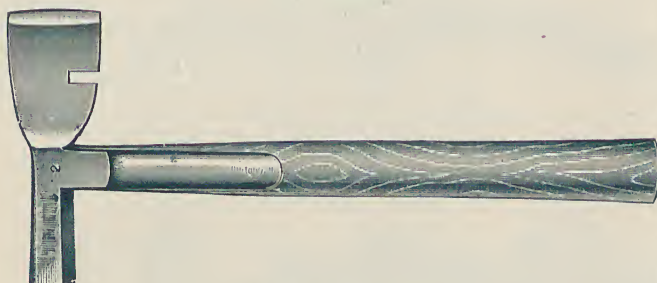
**Slater's Hammer.**  
With Claw. Ash Handle.  
Price 3/9 each.

No. 2685.



**Bricklayer's Hammer.**  
Ash Handle.  
Price 2/6 each.

No. 2686.



**Lath Hammer.**

Nos.	1	2	3
Price	1/9	2/-	2/3 each.

No. 2688.



**Mason's Hammer.**  
Price -/8 per lb. Handles for ditto -/4 each.

No. 2690.



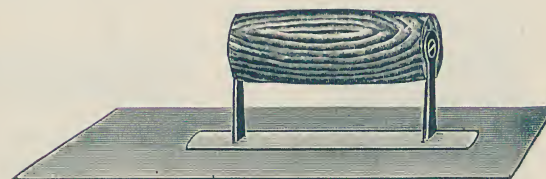
**Household Wood Chopper.**  
Price 1/- each.



**No. 2691.**  
**C.S. Handled Axes.**

Sizes	2	2½	3	3½	4	5 lb.
Price	2/8	3/-	3/6	4/-	4/9	5/6 each.

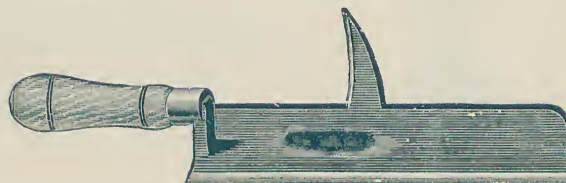
No. 2687.



**C.S. Plastering Trowel.**

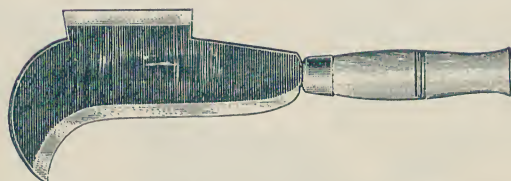
Single Tang	...	...	...	...	3/9 each.
Double "	...	...	...	...	4/- "

No. 2689.



**Slater's Axe.**  
Price 4/9 each.

No. 2692.



**Bill Hook, with Back Cutter.**

Nos.	1	2	3
Price	2/3	2/6	2/9 each.

See Separate Section Catalogue for complete Tools for Woodworkers, and also Section Catalogue for Metalworkers, Engineers, etc.

Bronze Medal, 1884.—Gold Medal, 1890.



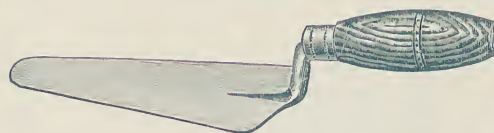
**BRICKLAYERS' AND PLASTERERS' TROWELS, Etc.****No. 2693.**

**Bricklayer's Dressing Chisel.**  
Eyed with Handle.  
Price 2/9 each.

**No. 2694.**

**Single Bricklayer's Bolster.**

Price 2/- each.

**No. 2695.**

**No. 2695. C. S. Gauging Trowels.**

Sizes	6	7	8	9 in.
Price	1/9	2/-	2/2	2/6 each.

**No. 2696. C. S. Pointing Trowels.**

Sizes	5	6	7	8 in.
Price	1/4	1/5	1/7	1/9 each.

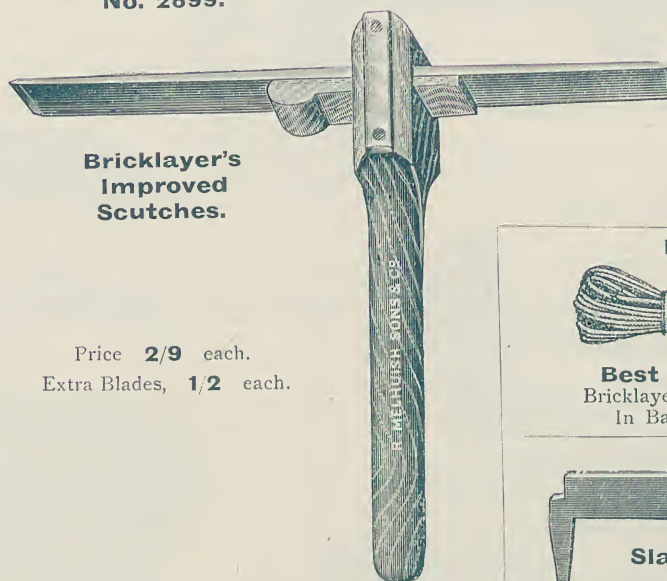
**No. 2697.**

**C. S. Bricklayer's Trowels.**

Sizes	10	11	12	13 in.
Price	2/10	3/2	3/4	3/6 each.

**No. 2698.**

**Bricklayer's Double Bolster.**  
Price 3/- each.

**No. 2699.**

**Bricklayer's Improved Scutches.**

Price 2/9 each.  
Extra Blades, 1/2 each.

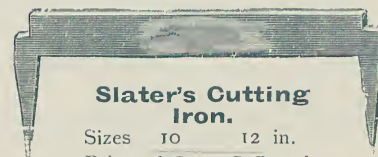
**No. 2700.**

**Boxwood Line Reels.**

Long, -/5 each.  
Short, -/4 ..

**No. 2701.**

**Best Quality Lines.**  
Bricklayers' Lines -/4 each.  
In Balls -/8 per ball.

**No. 2702.**

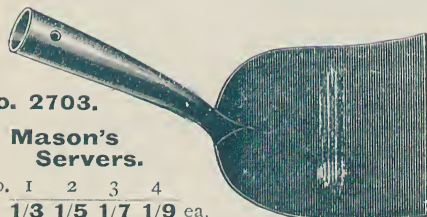
**Slater's Cutting Iron.**

Sizes	10	12 in.
Price	1/9	2/3 each.

**No. 2703.**

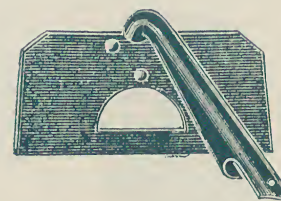
**Mason's Servers.**

No.	1	2	3	4
Price	1/3	1/5	1/7	1/9 ea.

**No. 2704.**

**Hair Hook.**

Price 1/9 each.

**No. 2705.**

**Mason's Larrier.**

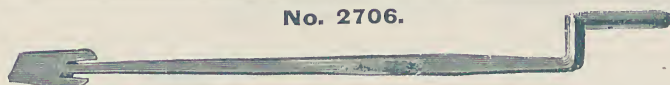
Price 2/3 each.

**Awards for Excellence of Machines and Tools:**



## MATTOCKS, HOD SOCKETS, ADZES, Etc.

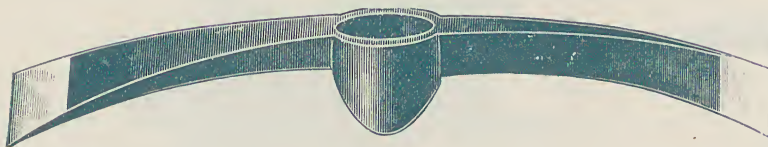
No. 2706.



**Slater's Ripper.**

Price **3/3** each.

No. 2708.



**Solid Eye Mattock.**

Price under 5 lb. **51/-** Over 5 lb. **44/-** per cwt.

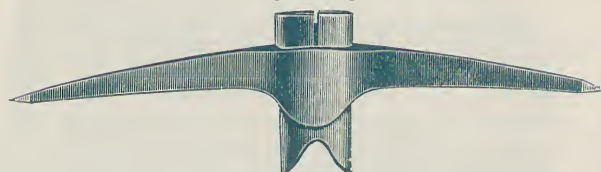
No. 2709.



**Solid Eye Mattock.**

Price under 5 lb. **47/-** Over 5 lb. **43/-** per cwt.

No. 2710.

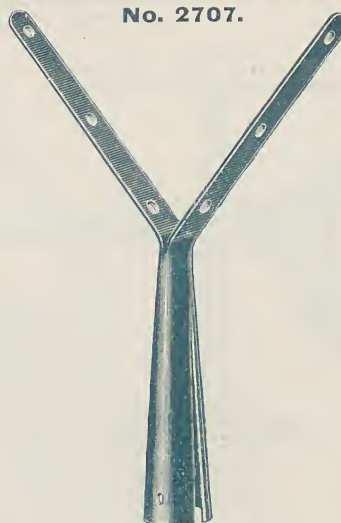


**Solid Steel Checked Eye Pick.**

For Interchangeable Pick Handles.

Sizes	2	2½	3	3½	4 lb.
Price	1/9	2/-	2/3	2/6	2/9 each.

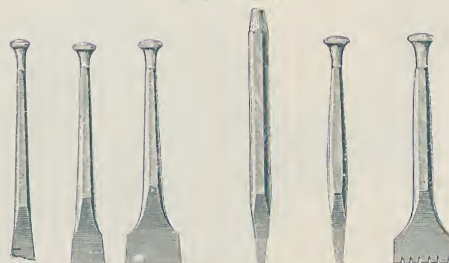
No. 2707.



**Hod Socket.**

Price **1/3** each.

No. 2711.



**Mason's Chisels.**

Price **-/11** per lb.

No. 2712.



**Carpenter's Adze.**

Sizes	1	2	3
Price	2/4	2/8	2/10 each.

No. 2713.



**Bricklayer's Chisel.**

18 x 7/8 in. Price **3/-** each.

No.



2714.

**Solid Steel Mason's Line Pin.**

Price **-/6** each.

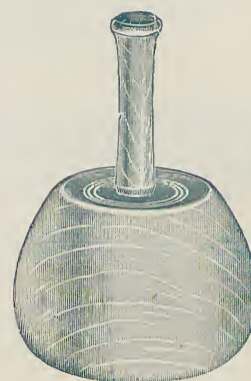
No. 2715.



**Mason's Jointers.**

		1/4	5/16	3/8 thick.
No. 2715.	Bright 2½ in. Blades	1/-	1/-	1/1 each.
No. 2716.	Cast Steel, 5 in. Blades	1/4	1/4	1/6 „

No. 2717.

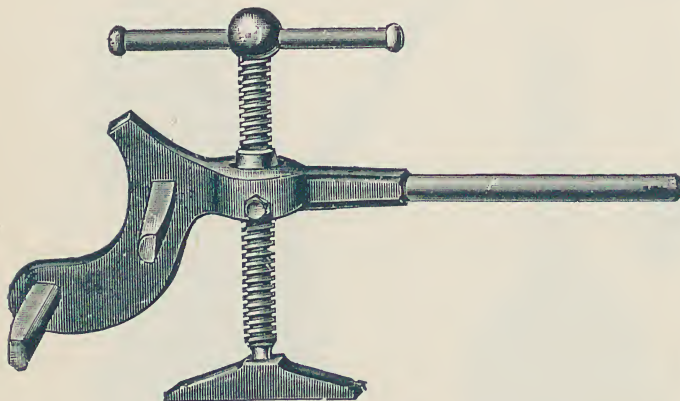


**Mason's Mallets.**

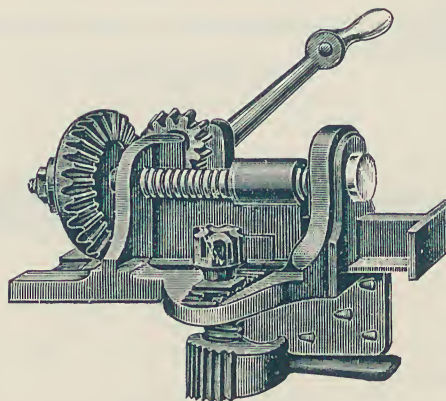
Sizes	6	7	8 in.
Price	2/3	3/3	4/6 each.

Bronze Medal, 1884.—Gold Medal, 1890.

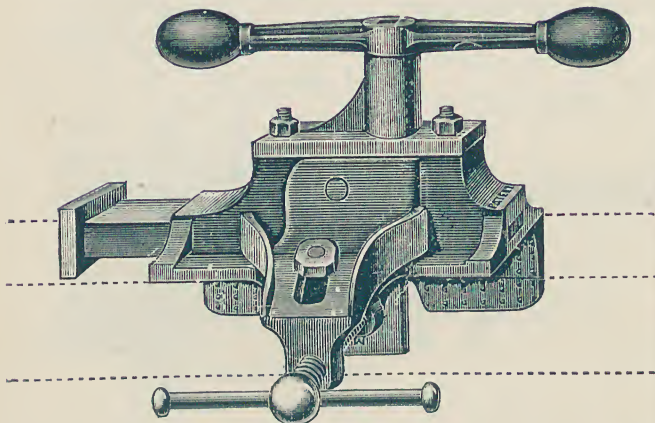


**FLOORING CRAMPS.****No. 2718.**

Best Wrought Iron throughout.  
To grip Joists  $1\frac{1}{2}$  to  $3\frac{1}{2}$  in.  
Price **18/-** per pair.

**No. 2719.**

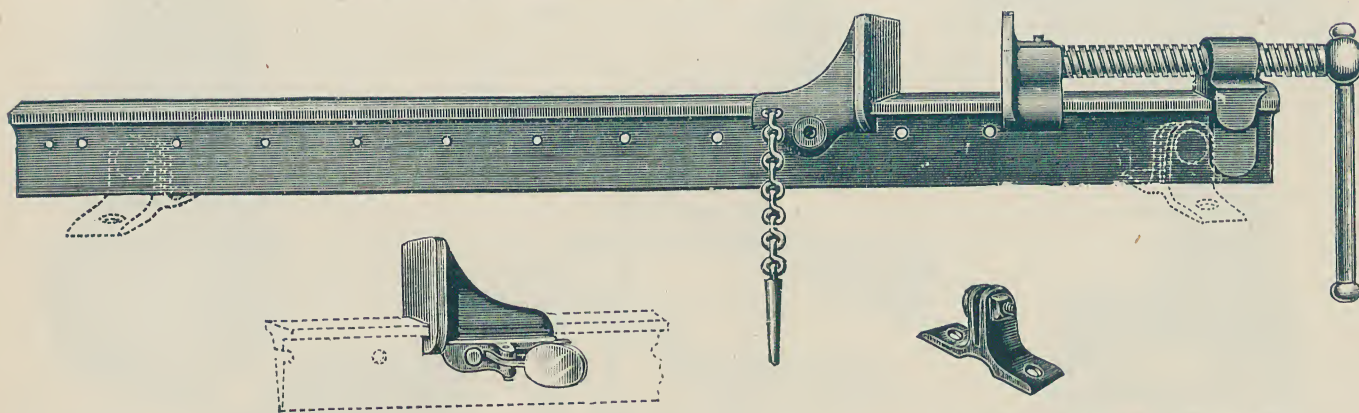
Best Cast Frame, Wheels, and Eccentric,  
With Malleable and Wrought Iron working parts.  
Price **13/6** each.

**No. 2720.**

New Pattern.  
Made entirely from Malleable and Wrought Iron, no ordinary  
Cast Iron being used. To grip Joists 2 to 4 in. thick.  
Price **19/6** each.

**No. 2721.****Joiner's Instantaneous Grip Vice.**

Size.	Width of Jaws.	Opens.	Price each.
<b>B</b>	9 in.	12 in.	<b>20/-</b>
<b>D</b>	$10\frac{1}{2}$ in.	13 in.	<b>24/-</b>

**No. 2722. T-Section Steel Bar Cramps.  $2\frac{1}{2}$  by  $\frac{7}{8}$  in.****Spring Catch, 3/3 extra.****Cramp Stands, 2/9 per pair.**

Length of Bar	...	...	...	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6	ft.
With Peg and Chain	...	...	...	<b>17/-</b>	<b>18/3</b>	<b>18/9</b>	<b>19/9</b>	<b>21/-</b>	<b>22/6</b>	each.

These Cramps are always supplied with Peg and Chain unless specially ordered.

**Awards for Excellence of Machines and Tools :**



## MORTISING AND BORING MACHINE.

### No. 2723.

The Vertical Frame and Base ARE ALL IN ONE CASTING, giving the Machine greater strength in working to all its parts.

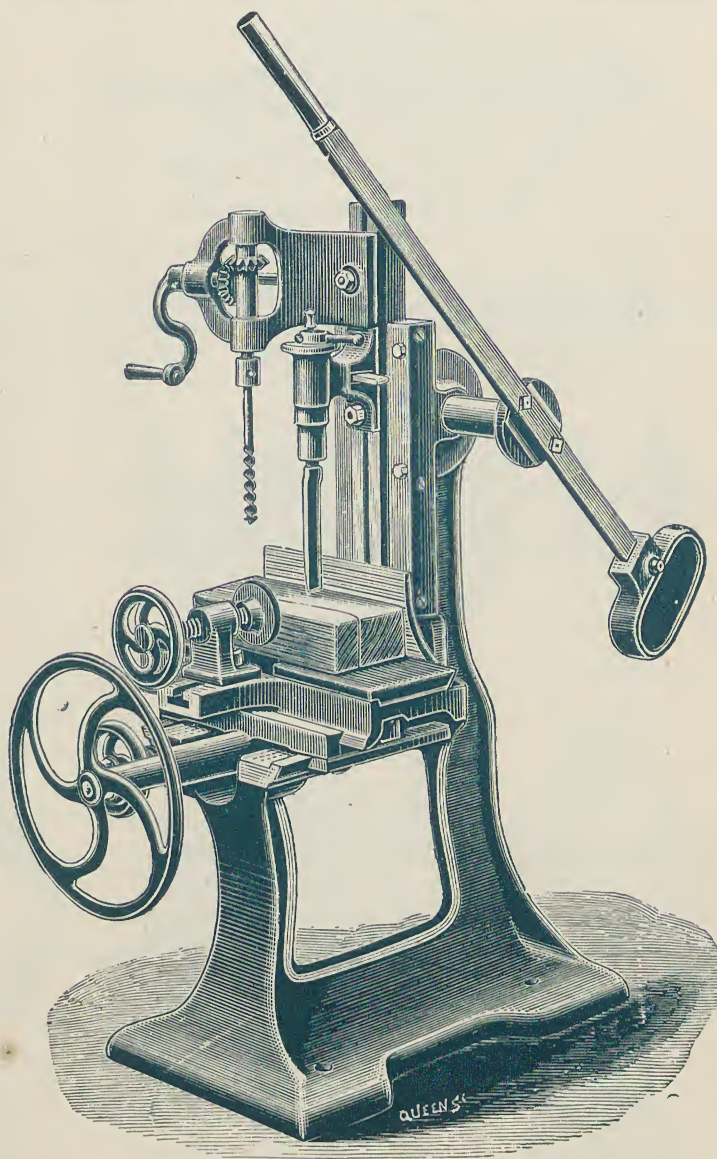
The Chisel can be put in or taken out instantly. The arrangement for reversing the chisel is very simple and accurate. The tool traverses so that a mortise six inches deep may be cut. The Table will take on timber 16 in. by 8 in. wide. The Sliding Bracket carrying the chisels is adjustable for different thicknesses of timber. The Chisels and Augers are of the best quality.

#### PRICES AND PARTICULARS.

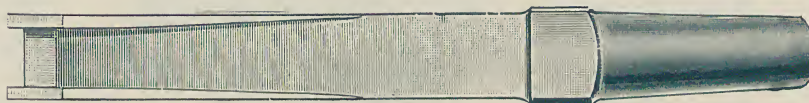
Including 8 Chisels from  $\frac{1}{4}$  in. to 1 in., 1 Core Driver, 1 Chisel Remover, 1 Screw Key, complete ... .. £14 : 0 : 0

If with Boring Apparatus, including 3 Drills for Iron and 3 Augers for Wood  $\frac{1}{2}$  extra 1 : 7 : 0

If with Improved Tenoning Tools „ 2 : 0 : 0



### No. 2724. Mortise Chisels.



This new and useful Tool, in a much more simple and perfect way than hitherto, effectually draws the chip from the Mortise at each cut, without any core driver or splitting of the woodwork. Besides this, there is the great advantage of saving labour, the work is done better, the sides of the mortise are left clean and smooth, there is less wear and tear on the Machine, and much less risk of spoilt work.

	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
Special Steel Mortise Chisels, each ... ..	3/6	3/6	3/6	3/9	4/-	4/-	4/-	4/3	4/6	5/-
Ditto Improved Self-scoring Mortise Chisels, each ... ..	5/-	5/-	5/-	5/3	5/6	5/6	5/6	5/9	6/-	7/-

Bronze Medal, 1884.—Gold Medal, 1890.



## CAST IRON CRESTINGS AND TERMINALS.

No. 2725.



In lengths 2 ft. 11 in. Price 1/6 each.

No. 2726.



In lengths 2 ft. 8 in. Price 2/- each.

No. 2727.



In lengths 2 ft. 10 in. Price 2/10 each.

No. 2728.



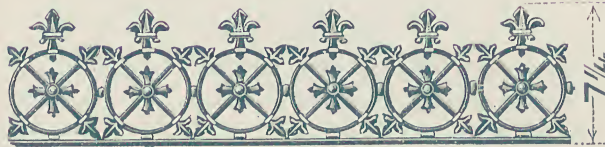
In lengths 3 ft. 0 in. Price 3/3 each.

No. 2729.



In lengths 2 ft. 9 in. Price 3/3 each.

No. 2730.



In lengths 2 ft. 8 in. Price 2/3 each.

No. 2731.



In lengths 2 ft. 11 in. Price 2/6 each.

No. 2732.



In lengths 2 ft. 10 in. Price 4/9 each.

No. 2733.



6 in. Screw. 1/9 each.

No. 2734.



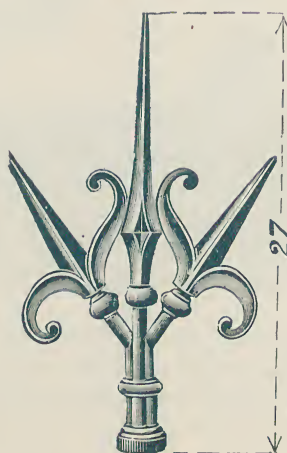
6 in. Screw. 2/3 each.

No. 2735.



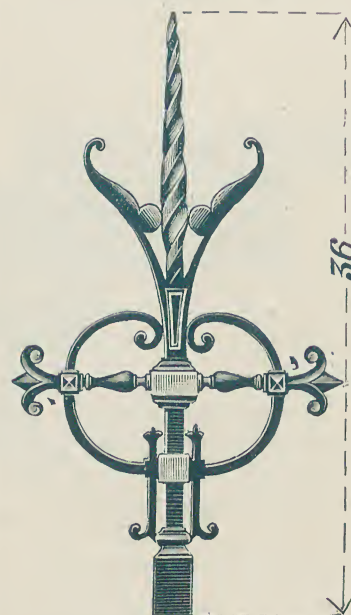
6 in. Screw. 3/- each.

No. 2736.



9 in. Screw. 4/- each.

No. 2737.



9 in. Screw. 7/- each.

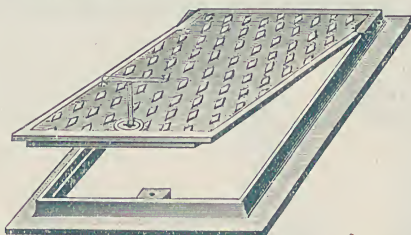
## TERMINALS.

Bronze Medal, 1884.—Gold Medal, 1890.

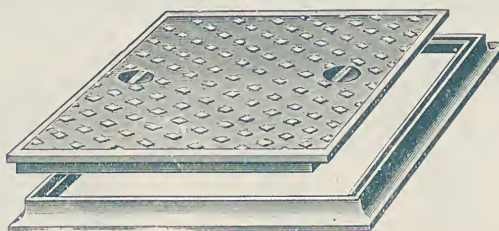


## MANHOLE COVERS, KITCHEN SINKS, Etc.

**No. 2738.** For Indiarubber Joints.



**No. 2742.** For Grease or Sand Joints.



### Cast Iron Manhole Covers and Frames.

Sizes 18 x 18 24 x 18 30 x 18 30 x 24 in.

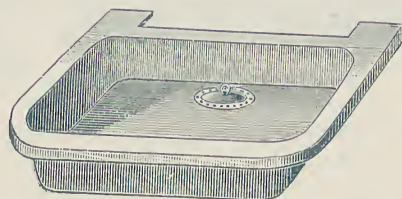
Sizes 18 x 18 24 x 18 30 x 24 in.

<b>No. 2738.</b> Medium	7/-	8/3	16/-	17/-	each.	<b>No. 2742.</b> Medium	8/-	11/6	—	Locking.
<b>No. 2739.</b> Do. Galvanized	14/-	16/6	32/-	34/-	each.	<b>No. 2743.</b> Do. Galvanized	16/-	23/-	—	-/8 each.
<b>No. 2740.</b> Strong	12/9	14/6	—	29/6	each.	<b>No. 2744.</b> Strong	11/-	21/-	20/-	extra.
<b>No. 2741.</b> Do. Galvanized	27/6	29/-	—	59/-	each.	<b>No. 2745.</b> Do. Galvanized	22/-	42/-	40/-	

**No. 2746.**

**Kitchen Sinks.**

**No. 2747.**



CAST  
IRON.



Sizes Outside	24 x 20	30 x 20	36 x 20 in.
Sizes Inside	21 x 14 3/4 x 3 1/2	27 x 14 3/4 x 3 1/2	33 x 14 3/4 x 3 1/2 in.
Price	6/9	8/-	9/3 each.

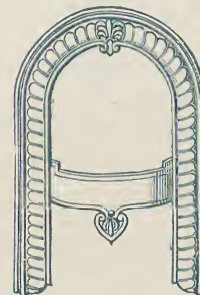
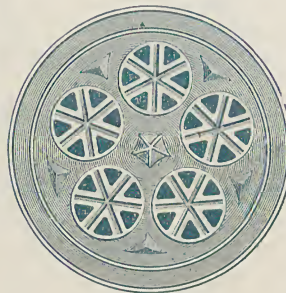
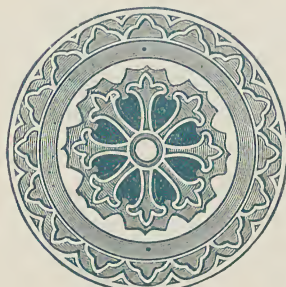
Sizes	18	21	24	27	30	33	36 in.
Price	6/-	7/-	8/-	9/-	10/-	12/-	13/6 each.

**No. 2748.**

**Coal Plates.**  
**No. 2749.**

**No. 2750.**

**No. 2751.**



Open or Close.	
Sizes	12 14 in.
Price	2/- 2/3 each.

Cast Iron Rims.	
Sizes for	12 14 in.
Price	2/3 2/6 each.

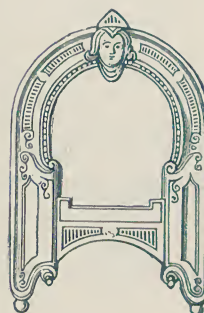
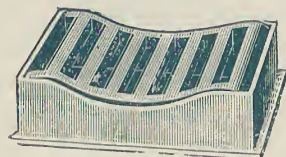
Open or Close.	
Sizes	12 14 in.
Price	2/- 2/3 each.

**Wall Scraper.**  
Price 1/6 each.

**No. 2752.**

**No. 2753.**

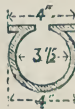
**No. 2754.**



<b>Gulley Grates.</b>	
Sizes	8 9 10 in.
Price	20/- per cwt.

<b>Door Scraper.</b>	
Sizes	14 19 24 in.
Price	3/- 5/- 6/9 each.

**No. 2756.**



<b>Pavement or Street Gutter.</b>	
Six feet lengths	7/- per yard.
Three and four feet lengths	7/6 "
T-pieces	5/6
Angles	4/9
Shoes	3/3 each.

**Wall Scraper.**  
Price 1/6 each.

**No. 2755.**

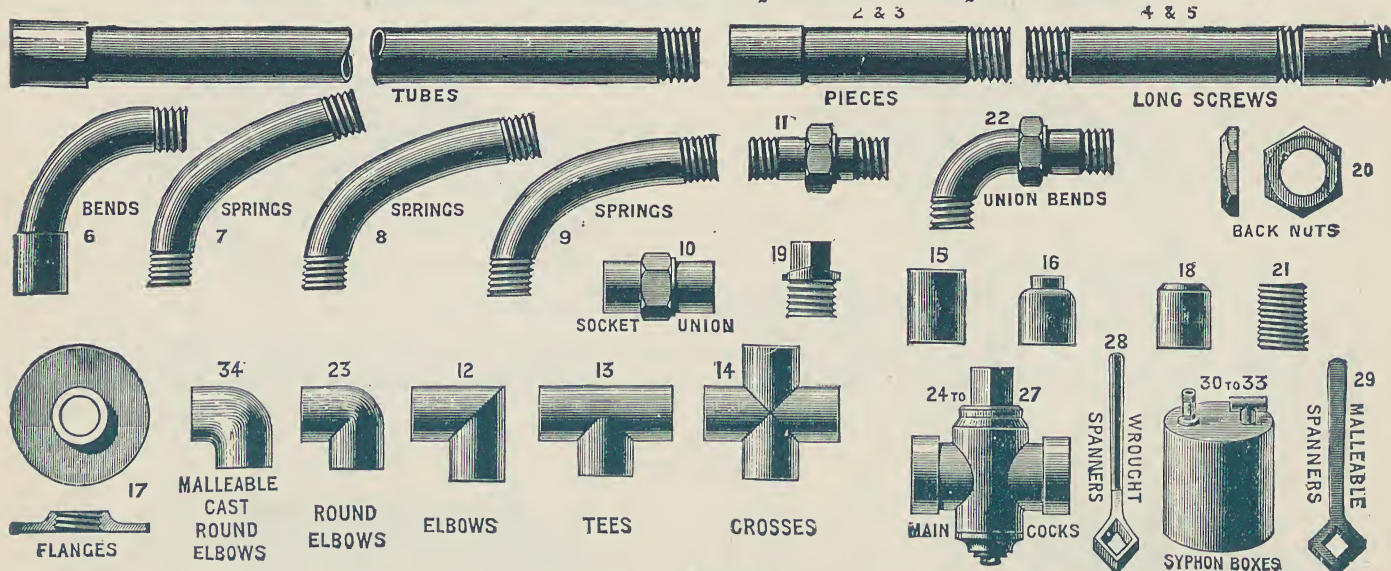


**Strong Scraper for Gravel.**  
Price 2/3 each.



**WROUGHT GAS, STEAM, AND WATER TUBES.**

SUBJECT TO THE USUAL TRADE DISCOUNT. SPECIAL QUOTATION FOR QUANTITIES ON APPLICATION.

**TUBES.**

INTERNAL DIAMETER IN INCHES.	$\frac{1}{8}$ & $\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6
1. Tubes, 2 ft. long and upwards per ft.	-3	-3 $\frac{1}{2}$	-4 $\frac{1}{2}$	-6	-8 $\frac{1}{2}$	1/-	1/3	1/6	1/9	2/6	3/-	3/3	3/6	4/6	5/6	6/-	6/9	7/9	8/9
2. Pieces, 12 to 23 $\frac{1}{2}$ in. long each	-8	-9	-11	1/3	1/9	2/6	3/3	3/11	4/7	6/9	8/6	9/6	10/6	13/2	16/-	21/-	24/6	29/6	35/-
3. Ditto, 3 to 11 $\frac{1}{2}$ in. long "	-5	-5 $\frac{1}{2}$	-7	-10	1/1	1/6	2/-	2/5	2/10	4/3	5/6	6/3	7/-	9/1	1/-	15/6	18/3	22/3	26/6
4. Long Screws, 12 to 23 $\frac{1}{2}$ in. long ... each	-9	-10	1/-	1/4	1/10	2/8	3/6	4/3	5/-	7/6	9/7	11/3	12/-	15/3	17/-	23/3	27/-	32/6	38/6
5. Do., do., 3 to 11 $\frac{1}{2}$ in. long "	-6	-6 $\frac{1}{2}$	-8	-10	1/2	1/8	2/3	2/9	3/3	5/-	6/4	7/6	8/3	10/9	12/3	17/-	20/3	24/6	29/3
6. Bends ... "	-7	-8	-10	1/-	1/6	2/6	3/-	4/-	5/-	8/6	12/-	15/-	18/-	25/-	32/6	80/-	105/-	135/-	150/-
7, 8, 9. Springs, not Socketed "	-5	-6	-7	-9	1/1 $\frac{1}{2}$	1/11 $\frac{1}{2}$	2/3 $\frac{1}{2}$	3/1	3/11	6/9	9/6	12/-	14/6	20/-	26/6	70/-	93/-	120/-	132/-

**FITTINGS.**

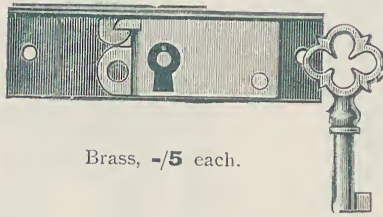
10. Socket Union ... each	2/-	2/6	3/-	4/-	5/6	6/9	8/-	9/-	10/-	15/-	17/6	20/-	22/6	27/6	35/-	48/-	66/-	84/-	105/-
12. Elbows, Square ... "	-8 $\frac{1}{2}$	-9	-10	1/-	1/4	1/10	2/5	3/-	3/10	6/3	9/-	11/6	14/-	22/-	28/-	75/-	95/-	120/-	150/-
23. Ditto, Round ... "	-9 $\frac{1}{2}$	-11	1/-	1/3	1/6	2/1	2/7	3/6	4/6	6/9	10/-	13/-	17/-	25/-	32/-	75/-	95/-	120/-	150/-
13. Tees ... "	-9	-10	-11	1/2	1/5	2/-	2/6	3/2	4/3	6/6	9/6	12/6	16/6	24/-	30/-	78/-	98/-	125/-	155/-
14. Crosses ... "	1/4	1/6	1/11	2/4	3/-	4/-	4/10	6/-	7/9	14/-	21/4	28/-	40/-	56/-	66/8	175/-	220/-	280/-	350/-
15. Sockets, Plain ... "	-2	-2	-3	-3 $\frac{1}{2}$	-4 $\frac{1}{2}$	-6 $\frac{1}{2}$	-8 $\frac{1}{2}$	11/-	1/1	1/9	2/6	3/6	3/6	5/-	6/-	10/-	12/-	15/-	18/-
16. Ditto, Diminished ... "	-3	-4	-5	-6	-7	-9	-11	1/2	1/4	2/3	3/3	4/-	5/-	7/-	9/-	25/-	35/-	45/-	55/-
17. Flanges ... "	-9	-10	1/-	1/2	1/4	1/9	2/-	2/3	2/9	4/-	5/-	6/9	8/6	10/-	11/6	16/-	18/-	23/-	27/-
18. Caps ... "	-3 $\frac{1}{2}$	-3 $\frac{1}{2}$	-5	-6	-8	1/-	1/3	1/7	2/-	3/-	4/4	5/3	6/-	9/9	10/6	25/-	30/-	37/6	45/-
19. Plugs ... "	-3	-3	-4	-5	-6	-8	-10	1/-	1/3	2/-	2/6	3/6	4/9	7/-	10/-	22/-	30/-	39/-	48/-
20. Backnuts ... "	-2	-2	-3	-3 $\frac{1}{2}$	-5	-6	-8	-10	1/1	1/9	2/3	3/-	3/6	4/6	5/6	14/-	18/-	21/-	26/-
21. Nipples ... "	-2	-2	-3	-3 $\frac{1}{2}$	-4	-6	-8	-10	1/-	1/9	2/3	3/-	3/6	4/6	5/6	14/-	18/-	21/-	26/-
Barrel Nipples ... "	-5	-5	-7 $\frac{1}{2}$	-9	-10	1/3	1/8	2/1	2/6	4/4	5/8	7/6	8/9	11/3	13/9	28/-	36/-	42/-	52/-
22. Union Bends ... "	2/6	3/-	3/9	5/-	6/3	8/6	10/-	11/6	13/6	21/-	27/-	32/-	37/-	49/-	58/-	78/-	100/-	135/-	160/-
24. Main Cocks ... "	2/3	2/9	3/6	4/6	6/6	8/6	11/-	14/-	18/-	27/-	40/-	50/-	60/-	85/-	110/-	210/-	270/-	360/-	420/-
25. Ditto, with Brass Plugs ... "	—	7/-	8/9	11/6	16/-	21/6	28/-	35/-	45/-	68/-	100/-	112/-	125/-	212/-	250/-	360/-	450/-	570/-	660/-
26. Round Way Cocks ... "	—	3/6	4/-	5/6	7/6	10/-	13/-	17/6	22/-	38/-	60/-	65/-	75/-	120/-	160/-	—	—	—	—
27. Ditto, with Brass Plugs ... "	—	10/6	12/-	16/6	22/6	30/-	39/-	52/6	66/-	114/-	180/-	195/-	225/-	360/-	480/-	—	—	—	—
28. Cock Spanners, Wrought ... "	—	1/6	1/8	2/2	2/8	3/2	3/6	4/-	4/3	4/9	6/-	7/6	9/-	12/-	14/-	16/-	19/-	22/-	24/-
29. Ditto, Malleable Cast ... "	—	1/-	1/4	1/8	2/-	2/4	3/-	3/6	4/-	4/9	6/-	7/6	9/-	12/-	14/-	16/-	19/-	22/-	24/-
30. Syphon Boxes, 1 quart ... "	—	—	22/9	23/-	23/4	24/-	24/6	25/2	26/3	28/6	—	—	—	—	—	—	—	—	—
31. Ditto, 2 quarts ... "	—	—	—	27/-	27/4	28/-	28/6	29/2	30/3	32/6	35/6	38/6	42/6	—	—	—	—	—	—
32. Ditto, 3 quarts ... "	—	—	—	32/-	32/4	33/-	33/6	34/2	35/3	37/6	40/6	43/6	47/6	55/6	61/6	—	—	—	—
33. Ditto, 4 quarts ... "	—	—	—	38/-	38/4	39/-	39/6	40/2	41/3	43/6	46/6	49/6	53/6	61/6	67/6	—	—	—	—

Awards for Excellence of Machines and Tools :



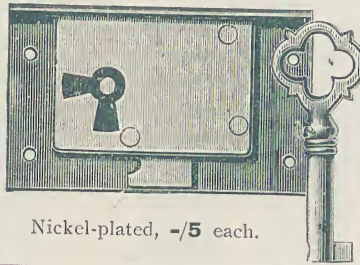
## FRETWORK FITTINGS.

**No. 2775.**



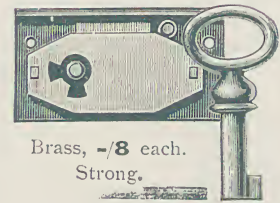
Brass, -/5 each.

**No. 2776.**



Nickel-plated, -/5 each.

**No. 2777.**



Brass, -/8 each.  
Strong.

**No. 2778.**



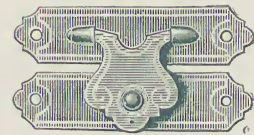
Brass, -/8 per doz.  
Nickel-plated, -/10 per doz.

**No. 2779.**



Brass, -/4 each.  
Nickel-plated, -/6 each.

**No. 2780.**



Brass, -/9 per doz.  
Nickel-plated, -/11 per doz.

**No. 2781.**



Brass, 1/2 per doz. pairs.

**No. 2782.**



Brass, -/8 per doz.  
Nickel-plated, -/10 per doz.

**No. 2783.**



Brass, 1/2 per doz.  
Nickel-plated, 2/6 per doz.

**No. 2784.**



Brass, -/2½ per doz.

**No. 2785.**



Brass, -/4 per doz.

**No. 2786.**



Nickel-plated, -/4 per doz.

**No. 2787.**



Brass, -/6 per doz.

**No. 2788.**



Nickel-plated, -/8 per doz.

**No. 2789.**



Nickel-plated, -/2 per doz.

**No. 2790.**



Nickel-plated, -/4 per doz.

**No. 2791.**



Nickel-plated, -/3 per doz.

**No. 2792.**



Brass, -/5 per doz. pairs.

**No. 2793.**



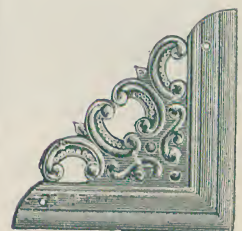
Nickel-plated,  
1/- per doz. pairs.

**No. 2794.**



Brass, -/4 per doz. pairs.

**No. 2795.**



Japanned, -/2 per doz.

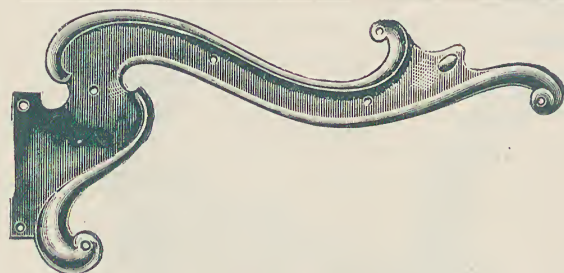
Bronze Medal, 1884.—Gold Medal, 1890.





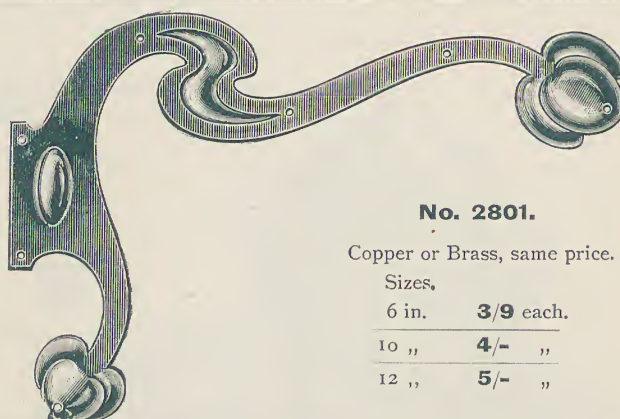


**POLISHED HINGE PLATES, BOX CORNERS, Etc.**



**No. 2800.**

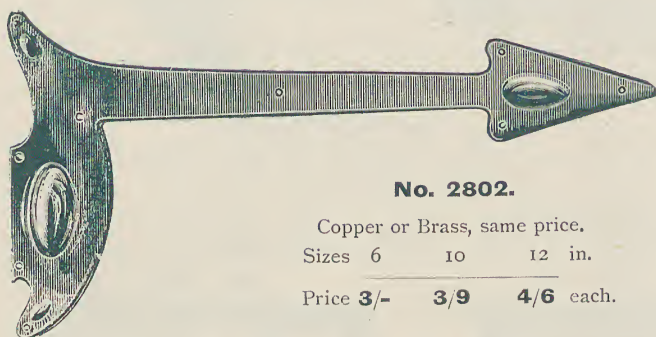
Sizes.	Brass.	Copper.
6 in.	4/6	4/6 each.
9 "	5/-	5/6 "
12 "	6/6	6/9 "



**No. 2801.**

Copper or Brass, same price.

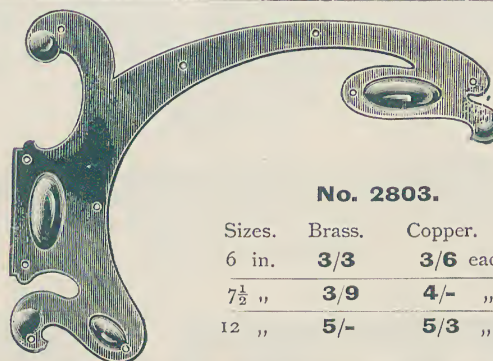
Sizes.	
6 in.	3/9 each.
10 "	4/- "
12 "	5/- "



**No. 2802.**

Copper or Brass, same price.

Sizes	6	10	12 in.
Price	3/-	3/9	4/6 each.

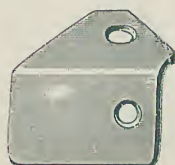


**No. 2803.**

Sizes.	Brass.	Copper.
6 in.	3/3	3/6 each.
7½ "	3/9	4/- "
12 "	5/-	5/3 "

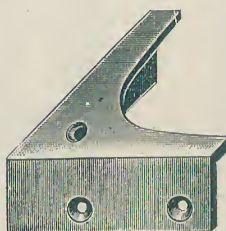
**BRASS BOX CORNERS AND CLIPS.**

**No. 2804.**



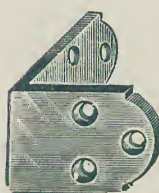
5/8 in. deep × 1½ in. 3/9 doz.  
1 " " × 1½ " 4/6 "

**No. 2805.**



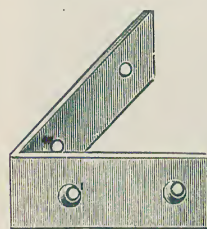
1½ in. × 1½ in. long 2/9 doz.  
1½ " × 2 " " 4/- "  
3/4 " × 2½ " " 4/9 "  
1 " × 3 " " 9/6 "

**No. 2806.**



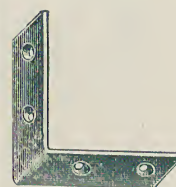
1¼ in. × 7/8 in. wide 2/6 doz.  
1½ " × 1 " " 3/- "  
1½ " × 1½ " " 4/- "  
1¾ " × 1¼ " " 5/6 "

**No. 2807.**



Sizes 1½ 1¾ 2 2½ 2½ long.  
" 7/16 2/- — — — doz.  
" 1/2 2/1 2/3 2/9 — 3/9 "  
" 5/8 2/9 2/9 3/3 — 4/- "  
" 3/4

**No. 2808.**



1½ × 7/16 in. 1/3 doz.  
1¾ × 5/8 " 2/- "

**BRASS DESK EDGING.**

Half Full Sizes.

**No. 2809.**



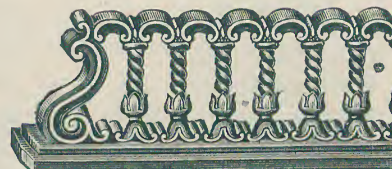
Price 4/3 per foot.

**No. 2810.**



Price 5/- per foot.

**No. 2811.**



Price 6/3 per foot.

**No. 2812.**



Per 1/4 foot.

**No. 2813.**



Per 2/- foot.

**No. 2814.**



Per 2/3 foot.

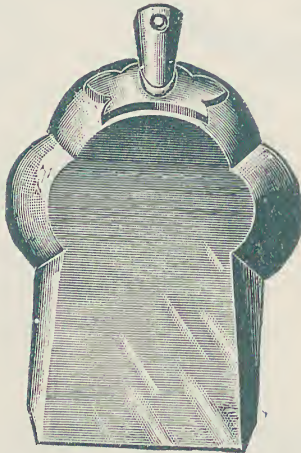
Bronze Medal, 1884.—Gold Medal, 1890.



**COAL VASE FITTINGS, PANELS, CADDIE FEET, Etc.**

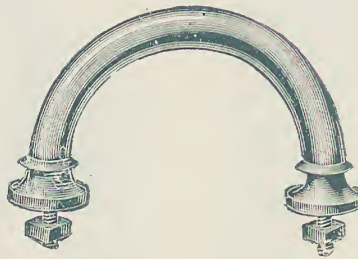
Quarter Full Size.

No. 2815.



Scoop, 4/6 each.

No. 2816.



Handle, 2/6 each.

No. 2818.

Knob, -/8 each.  
Half size.

No. 2817.



Staple, -/6 each.

No. 2819.



Corner, -/1½ each.

No. 2820.



Coal Vase Hinges.

Sizes ...	11 x ½ in.	11½ x ½ in.	12 x ½ in.	12 x ⅝ in.
Prices ...	-/9	-/11	1/-	1/2 each.

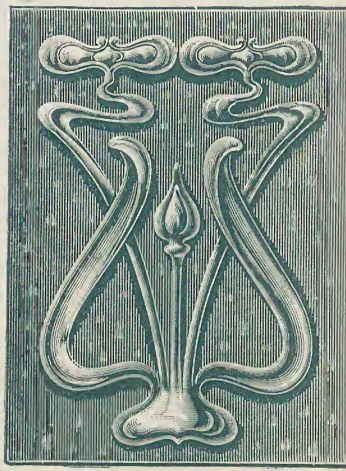
**EMBOSSED AND SAW-PIERCED PANELS, Etc.**

No. 2821.



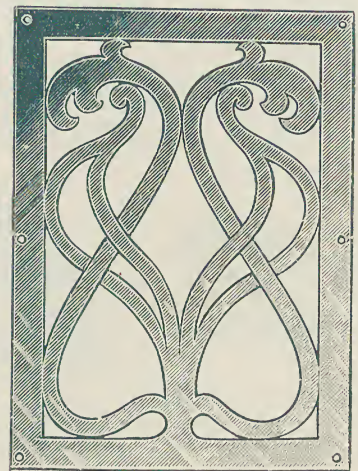
Sizes.	Brass.	Copper.
9 x 6 in.	9/6	9/9 each.
10½ x 8 "	11/6	11/9 "
14 x 8 "	14/6	15/6 "
16 x 12 "	17/-	18/- "

No. 2822.



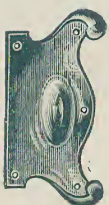
Sizes.	Brass.	Copper.
9 x 6 in.	10/-	10/3 each.
10½ x 8 "	13/6	14/6 "
14 x 8 "	15/-	16/- "
16 x 12 "	21/-	22/6 "

No. 2823.



Sizes.	Brass.	Copper.
9 x 6 in.	8/-	8/6 each.
10½ x 8 "	9/6	9/6 "
14 x 8 "	11/-	12/- "
16 x 12 "	15/-	16/- "

No. 2824.



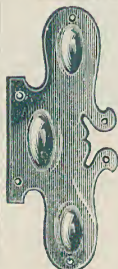
Brass ... 2/- each.  
Copper ... 2/3 "

No. 2825.



Brass, 3½ in., 1/2 ea.  
Copper, 3½ " 1/4 "

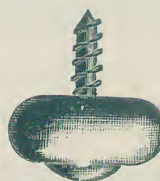
No. 2826.



Brass, 4 in., 1/9 ea.  
Copper, 4 " 2/- "

No. 2827.

Half Size.



Machine made,  
with Leather Tip.  
Per 1/9 doz.

Caddie Feet.

No. 2828.



Sizes	¾	½	⅝	¾	⅞	1	1¼	1½ in.
Prices	-/5	-/8	-/10	1/-	1/3	1/9	2/9	3/6 per doz.

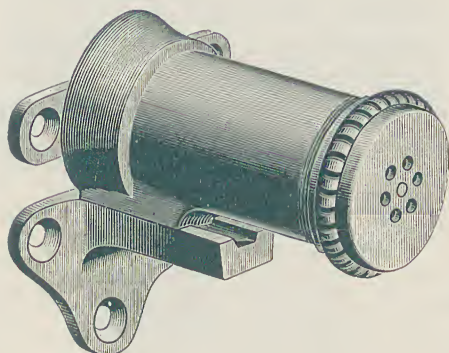
**Awards for Excellence of Machines and Tools :**



## SPECIALITIES.

### The "Eclipse" Door Check and Spring.

No. 2829.



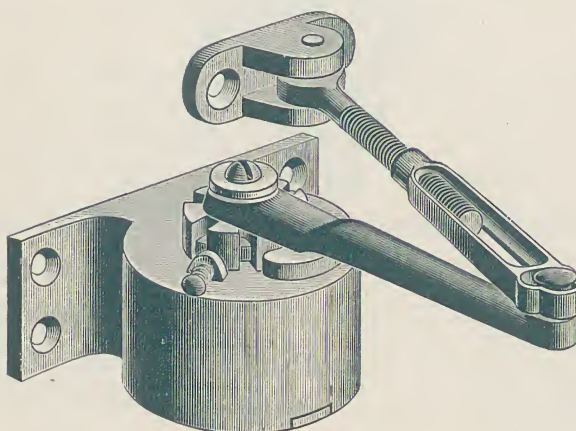
Patented.

Can be fixed on doors in any position.

Bronzed Iron Door Checks only.

<b>No. 2829.</b>	For Light Doors	...	...	...	<b>10/6</b>	each.
„ <b>2830.</b>	.. Medium „	...	...	...	<b>14/-</b>	„
„ <b>2831.</b>	.. Heavy „	...	...	...	<b>20/-</b>	„

No. 2832.

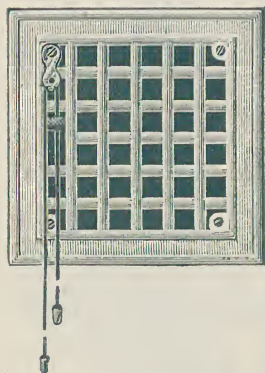


Patented.

Prices for Springs only.

<b>No. 2832.</b>	For Light Doors	...	...	...	<b>4/9</b>	each.
„ <b>2833.</b>	.. Medium „	...	...	...	<b>6/6</b>	„
„ <b>2834.</b>	.. Heavy „	...	...	...	<b>9/3</b>	„

No. 2835.



### Patent Japanned Wrought Steel Louvre Ventilator.

These Ventilators, being made from Wrought Steel throughout, are exceedingly strong, well finished, and very light.

Sizes	6 x 6	9 x 6	10 x 8 in.
Price	<b>4/-</b>	<b>4/6</b>	<b>5/-</b> each.
Sizes	12 x 10	14 x 12	18 x 12 in.
Price	<b>6/6</b>	<b>12/-</b>	<b>18/-</b> each.

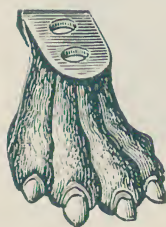
No. 2836.

### Brass Name Plates.



Name Plates made any size, shape, or style to order, with Mahogany backs.

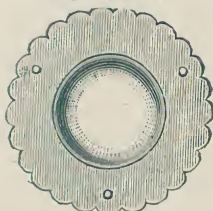
No. 2837.



### Brass Claw Feet.

Sizes	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1 in.
Price	<b>3/3</b>	<b>5/6</b>	<b>6/-</b>	<b>7/6</b> doz.

No. 2838.



### Patent Picture Suspenders.

Will carry a picture of more than 56 lb. weight.

Sizes	...	$1\frac{1}{2}$	2 in.
Dead dipped	<b>1/2</b>	<b>1/6</b>	doz.
Polished	...	<b>1/4</b>	<b>1/8</b> „

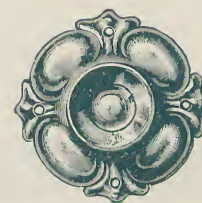
No. 2839.



### Brass Plaster Picture Hooks.

Sizes	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{4}$	$2\frac{1}{8}$	$2\frac{3}{4}$	3 in.
Price	<b>-5</b>	<b>-6</b>	<b>-8</b>	<b>-10</b>	<b>1/-</b>	<b>1/6</b> dz.
With pins complete.						

No. 2840.



### Picture Suspenders.

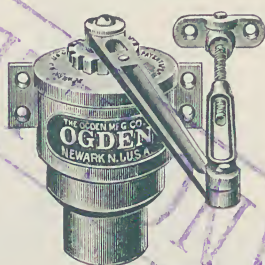
Polished Brass	<b>2/-</b>	doz.
„ Copper	<b>2/3</b>	„

Bronze Medal, 1884.—Gold Medal, 1890.



## LETTER BOXES, CASH BOXES, Etc., Etc.

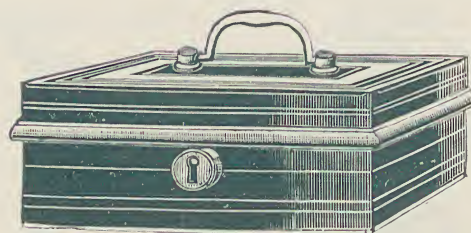
No. 2841.



The "OGDEN" Door Check and Spring.

No.		each.
2841.	For Light Doors ... ..	13/-
2842.	" Doors under 7 ft. high x 2 ft. 4 in. wide x 1 1/4 in. thick	16/6
2843.	" " " 7 ft. " x 2 ft. 9 in. " x 1 1/2 in. "	21/-
2844.	" " " 7 ft. 6 in. high x 3 ft. " x 2 in. "	24/6
2845.	" " " 7 ft. 6 in. " x 3 ft. 6 in. wide x 2 1/4 " "	33/-
2846.	" " over 7 ft. 6 in. high x 4 ft. wide x 2 1/2 in. "	41/-

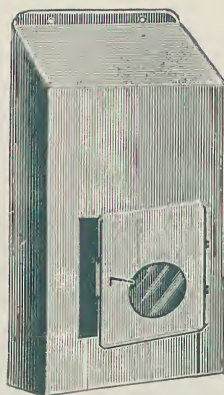
No. 2847.



Japanned Cash Boxes.

Sizes	6	7	8	9	10	11	12 in.
No. 2847.	4/6	4/9	5/6	6/-	6/9	7/6	9/- each.
With Lever Locks.							
" 2848.	7/9	8/-	8/6	9/-	10/9	15/6	18/- "
Very best quality, with Hobb's Locks. Extra strong.							
" 2849.	—	12/-	12/6	14/-	15/6	17/-	20/- "

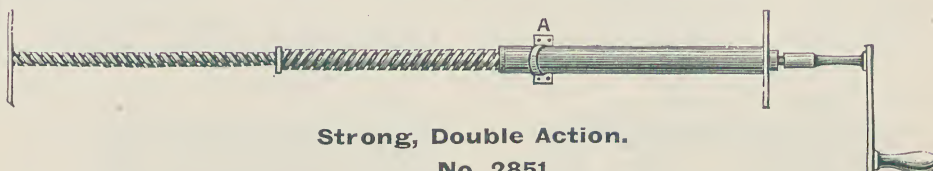
No. 2850.



Best Japanned Letter Boxes.

	Length.	Width.	Depth.	Price.
No. 1.	10 1/2 in.	5 3/4 in.	3 1/4 in.	4/- ea.
" 2.	12 in.	7 in.	3 1/2 in.	4/6 "
" 3.	14 in.	7 1/2 in.	4 in.	5/- "
" 4.	17 in.	9 in.	4 in.	8/- "
" 5.	20 in.	10 in.	5 in.	10/9 "

Table Expanders or Screws.



Strong, Double Action.

No. 2851.

Length of Movement closed	2 ft. 4 in.	2 ft. 8 in.	3 ft.	3 ft. 4 in.	3 ft. 8 in.	4 ft.
" Table when open	7 ft.	8 ft.	9 ft.	10 ft.	11 ft.	12 ft.
Price	23/-	24/6	27/-	28/-	31/6	35/- each.

No. 2852.

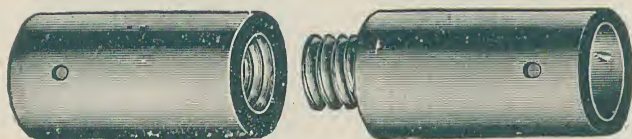


Length of Screw closed }	2 ft. 4 in.	2 ft. 9 in.	3 ft.	3 ft. 3 in.	3 ft. 6 in.	3 ft. 10 in.
" Top Screw }	2 ft.	2 ft. 6 in.	2 ft. 9 in.	3 ft.	3 ft. 3 in.	3 ft. 7 in.
" Top Screw will admit						
Price	6/3	6/9	7/6	8/-	8/9	9/6 each.

No. 2853.

Length of Movement closed	2 ft. 10 in.	3 ft. 4 in.	3 ft. 10 in.	4 ft. 4 in.	4 ft. 10 in.
" Table when open	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.
Price	10/-	10/6	11/6	13/-	13/9 each.

No. 2854.



Sweeps' or Drain Rod Joints.

Sizes	...	1/2	1	1 1/4	1 1/2	1 3/4	in.
Price	...	1/4	1/6	1/9	2/-	2/3	each.

Music Stool Screws.

No. 2855.



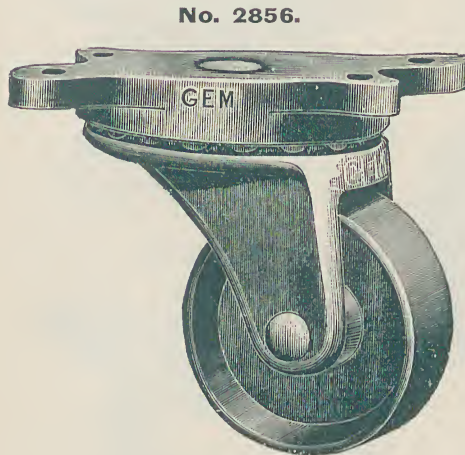
Size.				Price.
6 1/2 x 3/4 in.	...	...	...	3/- each.
7 x 7/8 in.	...	...	...	4/- "
8 x 1 in.	...	...	...	4/6 "

Awards for Excellence of Machines and Tools:



## GEM CASTORS.

These are without doubt the Strongest and Best Castors yet introduced. Each is fitted with Roller Bearing Discs, enabling them to carry great weight with the least possible labour; and are suitable for Shoe Racks, Trolleys, Trucks, Show Cases, Benches, Cabinet Goods, Heavy Hoist Racks, Hampers, etc.; in fact, any article upon which Castors are used. Four Castors in a set.



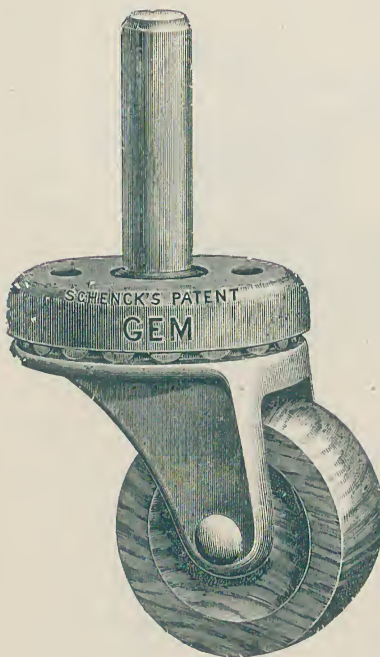
No. 2856.

No.	Size of Wheel.	Size of Plate.	Iron Wheel.	Rubr. Tyred Wheel.
2856.	$1\frac{3}{16}$ ...	$1\frac{1}{4} \times 1\frac{1}{4}$ ...	$\frac{1}{4}$ per set.	$\frac{6}{-}$ per set.
2857.	$1\frac{3}{8}$ ...	$1\frac{5}{8} \times 2\frac{3}{8}$ ...	$\frac{1}{6}$ "	$\frac{8}{9}$ "
2858.	$1\frac{5}{8}$ ...	$1\frac{7}{8} \times 2\frac{1}{2}$ ...	$\frac{1}{9}$ "	$\frac{10}{9}$ "
2859.	2 ...	$2\frac{1}{8} \times 2\frac{7}{8}$ ...	$\frac{2}{9}$ "	$\frac{13}{3}$ "

No.	Size of Wheel.	Iron Wheel.	Rubr. Tyred Wheel.
2860.	$2\frac{1}{2}$ ... Weight, 10 lb. per set ...	$\frac{8}{-}$ per set of four.	$\frac{16}{6}$ per set.
2861.	$3\frac{1}{8}$ ... " 14 lb. " ...	$\frac{10}{9}$ "	$\frac{22}{-}$ "
2862.	4 ... Extra strong for heavy use	$\frac{13}{9}$ "	$\frac{30}{-}$ "
2863.	5 ... " " "	$\frac{26}{9}$ "	$\frac{46}{-}$ "
2864.	6 ... " " "	$\frac{54}{-}$ "	$\frac{70}{-}$ "
2865.	4 ... " " "	$\frac{33}{6}$ "	$\frac{54}{-}$ "

### Stem Castors.

No. 2867.



No.	Diameter of Wheel, $1\frac{1}{8}$ in.	Diameter of Plate, $1\frac{1}{16}$ in.	Rubber Wheel.
2866.	Iron Stem and Iron Wheel ...	$\frac{1}{2}$ per set ...	$\frac{6}{-}$ per set.
2867.	" " " Lig. Vit. Wheel ...	$\frac{1}{3}$ " ...	$\frac{6}{-}$ "
2868.	" " " Brass Wheel ...	$\frac{2}{-}$ " ...	$\frac{6}{-}$ "
2869.	Screw Stem and Iron Wheel ...	$\frac{1}{8}$ " ...	$\frac{6}{-}$ "
2870.	" " " Lig. Vit. Wheel ...	$\frac{1}{9}$ " ...	$\frac{6}{-}$ "

No.	Diameter of Plate, $1\frac{5}{8}$ in.	Diameter of Wheel, $1\frac{3}{8}$ in.	Rubber Wheel.
2871.	Wrought Stem and Iron Wheel ...	$\frac{1}{8}$ per set ...	$\frac{8}{6}$ per set.
2872.	" " " Lig. Vit. Wheel ...	$\frac{1}{9}$ " ...	$\frac{8}{6}$ "
2873.	Screw Stem and Iron Wheel ...	$\frac{2}{-}$ " ...	$\frac{8}{6}$ "
2874.	" " " Lig. Vit. Wheel ...	$\frac{2}{-}$ " ...	$\frac{8}{6}$ "

No.	Diameter of Wheel, $1\frac{5}{8}$ in.	Rubber Wheel.
2875.	Wrought Iron Stem and Iron Wheel ...	$\frac{2}{1}$ per set ... $\frac{10}{6}$ per set.
2876.	" " " " Lig. Vit. Wheel ...	$\frac{2}{2}$ " ... $\frac{10}{6}$ "

No.	Diameter of Plate, $2\frac{1}{8}$ in.	Diameter of Wheel, 2 in.	Rubber Wheel.
2877.	Wrought Iron Stem and Iron Wheel ...	$\frac{3}{-}$ per set ...	$\frac{13}{3}$ per set.
2878.	" " " " Lig. Vit. Wheel ...	$\frac{3}{2}$ " ...	$\frac{13}{3}$ "

### Stationary Castors.

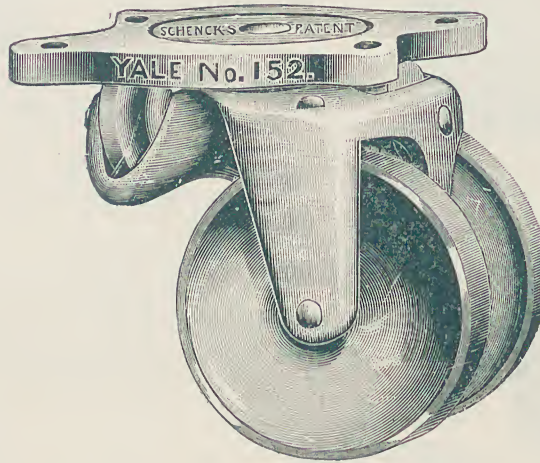
No.	Size of Wheel.	Iron Wheel.	Rubber Wheel.
No. 2879.	$2\frac{1}{2}$ in. Iron Wheel ...	$\frac{3}{2}$ per set ...	$\frac{12}{-}$ per set.
No. 2880.	3 " " ...	$\frac{6}{9}$ " ...	$\frac{18}{-}$ "
No. 2881.	4 " " ...	$\frac{10}{-}$ " ...	$\frac{28}{-}$ "

Bronze Medal, 1884.—Gold Medal, 1890.



**YALE CASTORS.**

The Yale Castor is one of the very best yet introduced. It is neat in Design. Double Floor Rollers, Double Friction Wheels (one on each side of the plate to rest on), making the strongest and easiest Turn Table device on the market.

**No. 2882.**

**NEAT  
IN  
DESIGN.**

**ARE  
VERY  
STRONG.**

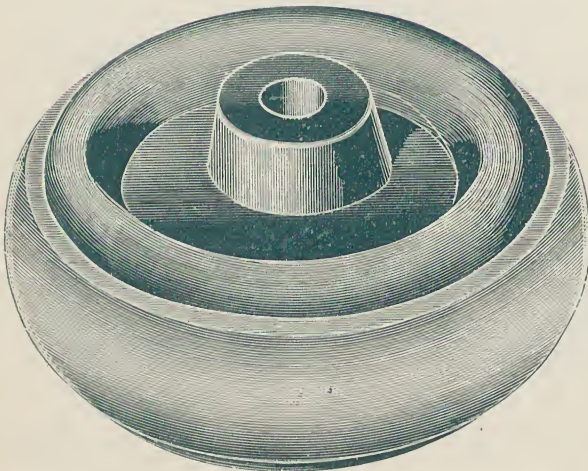
**PRICES :**

No.	Description	Size of Plate.	Size of Wheel.	Per Set of 4.	No.	Description	Size of Plate.	Size of Wheel.	Per Set of 4.
<b>No. 2882.</b>	Round Plate, Iron Wheel	1 $\frac{5}{8}$ in.	1 $\frac{1}{2}$ in.	<b>2/10</b>	<b>No. 2890.</b>	Round Plate, Iron Wheel	2 $\frac{1}{2}$ in.	2 $\frac{3}{16}$ in.	<b>5/6</b>
" <b>2883.</b>	Oblong " " "	1 $\frac{5}{8}$ "	1 $\frac{1}{2}$ "	<b>2/10</b>	" <b>2891.</b>	Oblong " " "	2 $\frac{1}{2}$ "	2 $\frac{3}{16}$ "	<b>5/6</b>
" <b>2884.</b>	Round " " "	2 "	1 $\frac{1}{2}$ "	<b>3/-</b>	" <b>2892.</b>	Round " " "		2 $\frac{3}{16}$ "	<b>8/-</b>
" <b>2885.</b>	Oblong " " "	2 "	1 $\frac{1}{2}$ "	<b>3/-</b>	" <b>2893.</b>	Oblong " " "	3 $\frac{1}{4}$ x 4 in.		<b>8/-</b>
" <b>2886.</b>	Round " " "	2 $\frac{3}{16}$ "	2 "	<b>3/3</b>	" <b>2894.</b>	Round " " "		3 $\frac{3}{16}$ "	<b>9/6</b>
" <b>2887.</b>	Oblong " " "	2 $\frac{3}{16}$ "	2 "	<b>3/3</b>	" <b>2895.</b>	Oblong " " "	3 $\frac{3}{4}$ x 4 $\frac{1}{2}$ "	3 $\frac{3}{16}$ "	<b>9/6</b>
" <b>2888.</b>	Round " " "	2 $\frac{3}{16}$ "	2 $\frac{1}{16}$ "	<b>4/3</b>	" <b>2896.</b>	" " " "	4 $\frac{1}{2}$ x 5 $\frac{1}{2}$ "	4 "	<b>20/-</b>
" <b>2889.</b>	Oblong " " "	2 $\frac{3}{16}$ "	2 $\frac{1}{16}$ "	<b>4/3</b>	" <b>2897.</b>	" " " "	6 $\frac{1}{2}$ x 8 "	5 "	<b>62/-</b>
					" <b>2898.</b>	" " " "	6 $\frac{1}{2}$ x 8 "	6 "	<b>66/-</b>

Please Order by Number.

**WHEELS ONLY.**

(Rubber Tyred.)

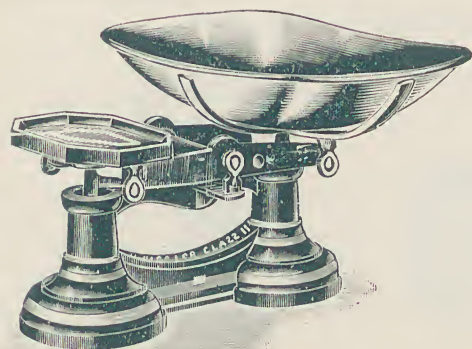
**No. 2899.****PRICES :**

Diameter of Wheel.	Per Set of 4.
1 $\frac{3}{16}$ in. ... ..	<b>4/9</b>
1 $\frac{3}{8}$ " ... ..	<b>6/-</b>
1 $\frac{5}{8}$ " ... ..	<b>8/9</b>
2 " ... ..	<b>10/6</b>
2 $\frac{1}{2}$ " ... ..	<b>12/-</b>
3 $\frac{1}{8}$ " ... ..	<b>13/6</b>
4 " ... ..	<b>20/-</b>
5 " ... ..	<b>24/-</b>
6 " ... ..	<b>43/-</b>

**Awards for Excellence of Machines and Tools :**



## SCALES.



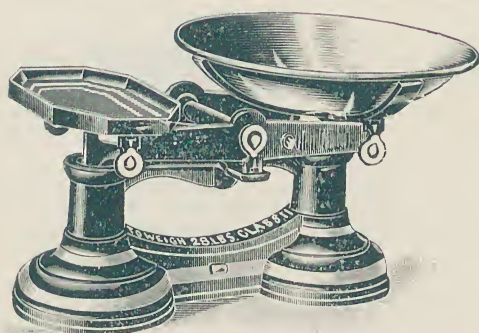
**No. 2900.**

### Strong Counter Scales.

With Oblong Tin Pan.

To weigh ...	...	4	7	14	28	56	lb.
Scale Pan ...	...	7 × 11	8 × 12	9 × 13	10 × 14	11 × 16	in.
Price ...	...	10/9	11/6	13/6	17/-	20/-	each.
If with Copper Pan		12/9	13/6	15/6	20/-	25/-	„

Stamping extra.



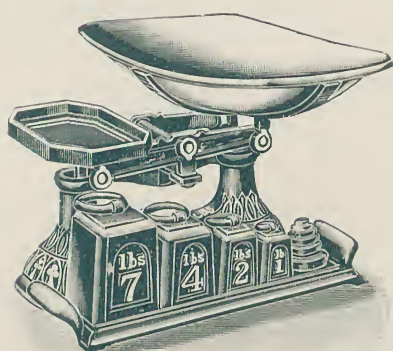
**No. 2901.**

### Strong Counter Scales.

With Round Tin Pan.

To weigh ...	...	4	7	14	28	56	lb.
Diameter of Pan ...	...	8	8	9	10	11	in.
Price ...	...	10/-	10/6	13/-	16/-	19/3	each.
If with Copper Pan		10/6	11/-	13/6	16/9	20/-	„

Stamping extra.



**No. 2902.**

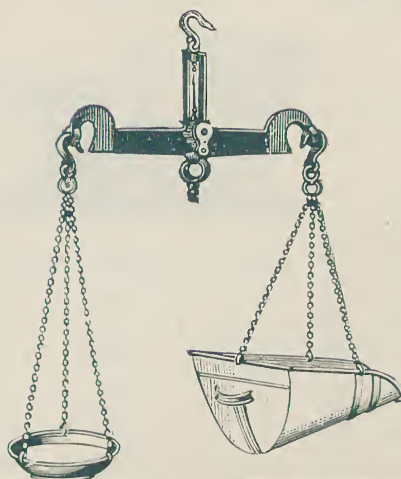
### Strong Family Scales.

With Weights complete.

A very useful article for use in families for domestic purposes.

To weigh ...	...	...	...	7	14	28	lb.
Diameter of Scale	...	...	...	9 × 13	10 × 14	11 × 16	in.
<b>No. 2902.</b> Best quality	...	...	...	16/-	19/-	24/-	each.
„ <b>2903.</b> Second „	...	...	...	13/-	17/6	21/6	„

Stamping extra.



**No. 2904.**

### Suspending Beam Flour Scales.

Scoop to hold ...	...	...	...	$\frac{1}{3}$	1	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	4	pks.
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**No. 2904.**

Japanned Black and Vermilion Beam	16/3	18/-	21/-	24/-	27/-	32/-	38/-	ea.
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**No. 2905.**

Japanned Black and Gilt Beam	...	19/6	21/-	24/-	27/-	30/-	35/6	42/-	„
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We shall be pleased to send Illustrations of any kinds of Weighing Machines required, together with lowest prices, on application.

Bronze Medal, 1884.—Gold Medal, 1890.



# SPRING BALANCES.

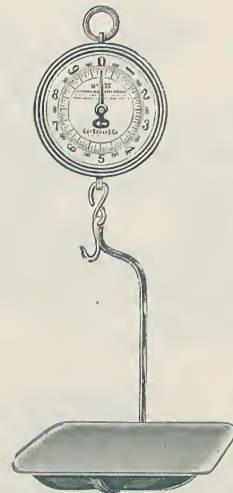
## No. 2906.

### Patent Circular Balances.

To Weigh.	Dia. of Dial.	With Hook only.
50 lb. by $\frac{1}{4}$ lb.	... 5 in.	... <b>17/6</b> each.
56 lb. by $\frac{1}{4}$ lb.	... 6 in.	... <b>20/6</b> "
100 lb. by $\frac{1}{4}$ lb.	... 10 in.	... <b>43/6</b> "
100 lb. by $\frac{1}{2}$ lb.	... 5 in.	... <b>17/6</b> "
100 lb. by 1 lb.	... 5 in.	... <b>15/-</b> "
112 lb. by $\frac{1}{2}$ lb.	... 6 in.	... <b>20/6</b> "
150 lb. by $\frac{1}{2}$ lb.	... 8 in.	... <b>29/-</b> "
150 lb. by 1 lb.	... 5 in.	... <b>16/6</b> "
200 lb. by $\frac{1}{2}$ lb.	... 10 in.	... <b>43/6</b> "
200 lb. by $\frac{1}{2}$ lb.	... 13 in.	... <b>59/-</b> "
300 lb. by $\frac{1}{2}$ lb.	... 15 in.	... <b>77/6</b> "
200 lb. by 1 lb.	... 5 in.	... <b>17/6</b> "
224 lb. by 1 lb.	... 6 in.	... <b>20/6</b> "
250 lb. by 1 lb.	... 8 in.	... <b>23/-</b> "
300 lb. by 1 lb.	... 8 in.	... <b>29/-</b> "
336 lb. by 1 lb.	... 9 in.	... <b>34/3</b> "
400 lb. by 1 lb.	... 10 in.	... <b>43/6</b> "
500 lb. by 1 lb.	... 13 in.	... <b>44/-</b> "
600 lb. by 1 lb.	... 15 in.	... <b>77/6</b> "



## No. 2909.



This is a well-finished Balance, suitable for trade purposes.

The Balance is very sensitive, the finger making three revolutions of the dial, each 10 lb. being marked upon the slide.

### PRICES.

To weigh 20 lb.  $\times$  1 oz., with one revolution of finger, 10 in. dial, Hook only ... each **28/**

To weigh 30 lb.  $\times$  1 oz., with three revolutions of finger, 10 in. dial, Hook only ... each **32/-**

To weigh 60 lb.  $\times$  2 oz., with three revolutions of finger, 10 in. dial, Hook only ... each **37/6**

If fitted with Japanned Iron Arm and 16 in. Oblong Tin Scale each extra **9/-**

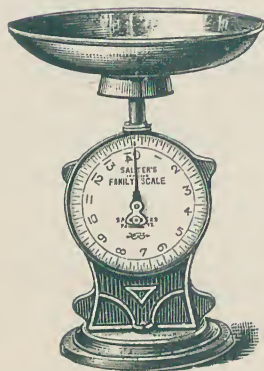
If fitted with Galvanized Iron Arm and 16 in. Oblong Enamelled Scale each extra **21/6**

## No. 2907. Family Balance.

To Weigh.	Round Scale.	Oblong Scale.	Scoop Scale.
7 lb. $\times$ $\frac{1}{2}$ oz.—5 in. dial.	<b>10/9</b>	<b>11/-</b>	<b>11/-</b>
14 lb. $\times$ 1 oz.—5 in. dial.	<b>10/9</b>	<b>11/-</b>	<b>11/-</b>
25 lb. $\times$ 1 oz.—7 $\frac{3}{4}$ in. dial.	<b>18/6</b>	<b>19/-</b>	<b>19/-</b>
28 lb. $\times$ 2 oz.—6 $\frac{1}{2}$ in. dial.	<b>12/6</b>	<b>13/-</b>	<b>13/-</b>
50 lb. $\times$ 2 oz.—7 $\frac{3}{4}$ in. dial.	<b>20/-</b>	<b>20/6</b>	<b>20/6</b>

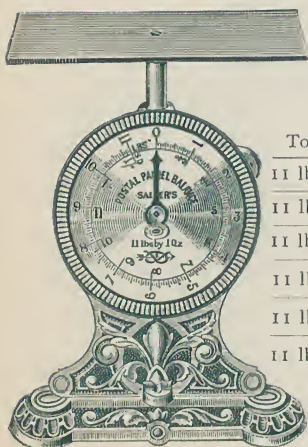
each.

Brass or White Enamelled Dials.

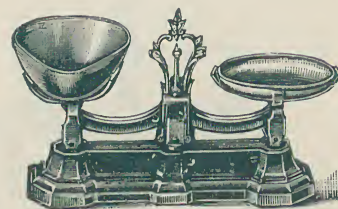


## No. 2908. Parcels Post Balance.

To Weigh.	Brass Scale.	Iron Scale.
11 lb. $\times$ 1 oz.—4 in. Brass Dial	6 $\times$ 4 in. <b>9/3</b> ca.	8 $\times$ 6 in. <b>8/9</b> ca.
11 lb. $\times$ 1 oz.—5 in. Brass Dial	7 $\times$ 5 in. <b>11/-</b> ca.	9 $\times$ 7 in. <b>10/6</b> "
11 lb. $\times$ $\frac{1}{2}$ oz.—6 $\frac{1}{2}$ in. Brass Dial	9 $\times$ 7 in. <b>13/9</b> ca.	11 $\times$ 8 in. <b>12/9</b> "
11 lb. $\times$ 1 oz.—4 in. Enamelled Dial	6 $\times$ 4 in. <b>10/-</b> ca.	8 $\times$ 6 in. <b>9/6</b> "
11 lb. $\times$ 1 oz.—5 in. Enamelled Dial	7 $\times$ 5 in. <b>12/6</b> ca.	9 $\times$ 7 in. <b>12/-</b> "
11 lb. $\times$ $\frac{1}{2}$ oz.—6 $\frac{1}{2}$ in. Enamelled Dial	9 $\times$ 7 in. <b>14/-</b> ca.	11 $\times$ 8 in. <b>13/-</b> "



## No. 2910.



### French Pattern Scale.

To Weigh	Sizes of Scoop.	One Brass Scoop and one Round Pan.	Two Round Pans.
1 lb.	4 $\frac{1}{2}$ $\times$ 6	<b>13/3</b>	<b>12/6</b>
2 lb.	5 $\times$ 6 $\frac{1}{2}$	<b>15/-</b>	<b>13/9</b>
3 lb.	6 $\times$ 8	<b>18/9</b>	<b>17/6</b>
4 lb.	7 $\times$ 9	<b>22/3</b>	<b>21/6</b>

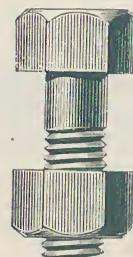
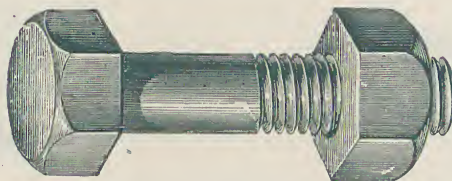
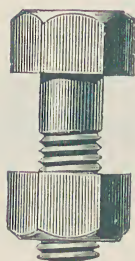
Awards for Excellence of Machines and Tools:



## BEST BRIGHT STEEL ENGINEERS' BOLTS AND NUTS.

Best Quality only.  
Hexagon Heads and Nuts. Whitworth's Standard Thread.

No. 2911.



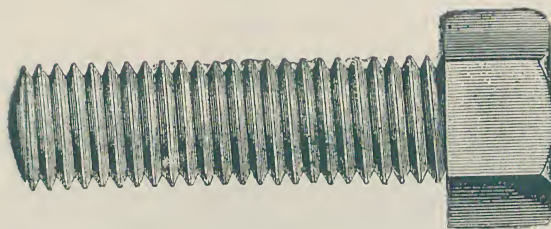
PRICE PER DOZEN.

Length. Inches.	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4	$4\frac{1}{4}$	$4\frac{1}{2}$	5	$5\frac{1}{4}$	$5\frac{1}{2}$	6
Diameter.																			
$\frac{1}{4}$	2/9	2/10	2/11	3/-	3/1	—	—	—	—	—	—	—	—	—	Prices for all Sizes above $4\frac{1}{4}$ in. quoted for on application up to 6 in. $\times$ $1\frac{1}{2}$ in.				
$\frac{5}{16}$	3/2	3/3	3/4	3/5	3/6	—	—	—	—	—	—	—	—	—					
$\frac{3}{8}$	3/9	3/10	3/11	4/-	4/2	4/3	4/4	4/5	4/6	—	—	—	—	—					
$\frac{7}{16}$	—	4/4	4/6	4/8	4/9	4/11	5/-	5/2	5/3	—	—	—	—	—					
$\frac{1}{2}$	—	5/-	5/2	5/4	5/6	5/8	5/10	6/-	6/3	—	—	—	—	—					
$\frac{5}{8}$	—	—	—	7/6	8/-	8/3	8/6	8/9	9/-	9/3	9/6	9/9	—	—					
$\frac{3}{4}$	—	—	—	9/6	10/-	10/2	10/6	10/9	11/-	11/3	11/6	11/9	—	—					
$\frac{7}{8}$	—	—	—	12/6	13/6	13/9	14/-	14/3	14/6	14/9	15/-	15/6	16/-	16/6					

## BRIGHT STEEL SET SCREWS.

Square or Hexagon Heads.

No. 2912.



PRICE PER DOZEN.

Length. Inches.	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4	$4\frac{1}{4}$	$4\frac{1}{2}$	5	$5\frac{1}{2}$	6
Diameter.																			
$\frac{1}{4}$	2/-	2/1	2/2	2/3	2/4	2/6	—	—	—	—	—	—	—	—	—	—	—	—	—
$\frac{5}{16}$	2/3	2/4	2/5	2/6	2/7	2/8	—	—	—	—	—	—	—	—	—	—	—	—	—
$\frac{3}{8}$	2/9	2/10	2/11	3/-	3/2	3/3	3/4	3/5	3/6	3/8	—	—	—	—	—	—	—	—	—
$\frac{7}{16}$	—	3/9	3/10	3/11	4/-	4/1	4/3	4/4	4/6	4/9	—	—	—	—	—	—	—	—	—
$\frac{1}{2}$	—	4/6	4/7	4/8	4/9	4/10	5/-	5/1	5/3	5/6	—	—	—	—	—	—	—	—	—
$\frac{5}{8}$	—	—	—	5/3	5/5	5/7	5/9	5/11	6/1	6/3	6/6	6/9	7/-	—	—	—	—	—	—
$\frac{3}{4}$	—	—	—	7/-	7/3	7/6	7/9	7/11	8/1	8/3	8/6	8/9	9/-	—	—	—	—	—	—
$\frac{7}{8}$	—	—	—	8/6	8/9	9/-	9/3	9/6	9/9	10/-	10/3	10/6	10/9	11/-	11/6	—	—	—	—
1	—	—	—	12/6	13/-	13/-	13/9	14/-	14/3	14/6	14/9	15/-	15/3	15/6	15/9	16/-	—	—	—

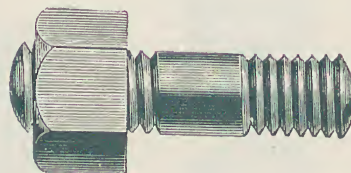
Bronze Medal, 1884.—Gold Medal, 1890.



**BRIGHT STEEL STUDS.**

Whitworth's Standard Thread, Pointed Both Ends, no Nuts.

No. 2913.



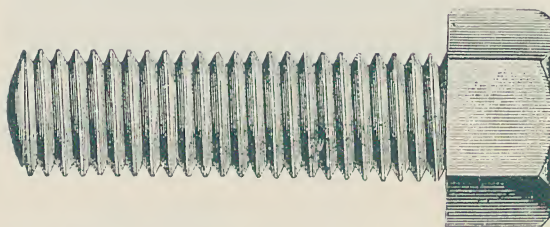
No Nuts.

PRICES PER DOZEN.

Length, inches...	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	4	4 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5
Diameter.																	
$\frac{1}{4}$ inch...	1/-	1/1	1/1	1/2	1/3	1/4	1/5	—	—	—	—	—	—	—	—	—	—
$\frac{5}{16}$ " ...	—	1/1	1/1	1/2	1/4	1/5	1/6	1/7	1/8	—	—	—	—	—	—	—	—
$\frac{3}{8}$ " ...	—	—	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10	1/11	—	—	—	—	—	—
$\frac{7}{16}$ " ...	—	—	1/3	1/5	1/6	1/7	1/8	1/9	1/10	2/-	2/1	—	—	—	—	—	—
$\frac{1}{2}$ " ...	—	—	1/6	1/7	1/9	1/10	1/11	2/-	2/2	2/3	2/4	2/6	2/9	3/-	—	—	—
$\frac{5}{8}$ " ...	—	—	1/7	1/9	1/11	2/-	2/2	2/3	2/4	2/6	2/8	3/-	3/3	3/6	3/9	—	—
$\frac{3}{4}$ " ...	—	—	—	—	2/8	2/10	3/-	3/2	3/3	3/4	3/6	3/9	4/-	4/3	4/6	—	—
$\frac{7}{8}$ " ...	—	—	—	—	—	4/-	4/3	4/6	4/9	5/-	5/3	5/6	5/9	6/-	6/6	6/9	7/-
1 " ...	—	—	—	—	—	—	4/10	5/-	5/6	5/9	6/-	6/6	6/9	7/-	7/6	7/9	8/-

**BRIGHT IRON SET SCREWS.**

No. 2914.



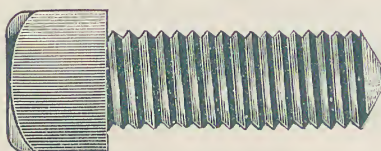
PER DOZEN.

Length ...	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	4
Diameter.														
$\frac{1}{4}$ inch...	1/-	1/-	1/-	1/-	1/1	1/2	1/2	1/3	1/4	1/6	1/8	1/9	2/-	2/3
$\frac{5}{16}$ " ...	1/-	1/1	1/1	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/10	2/-	2/2	2/5
$\frac{3}{8}$ " ...	1/3	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10	1/11	2/-	2/2	2/4	2/7
$\frac{7}{16}$ " ...	—	1/5	1/6	1/7	1/8	1/9	1/10	1/11	2/-	2/1	2/2	2/4	2/6	2/9
$\frac{1}{2}$ " ...	—	1/10	1/11	2/-	2/1	2/2	2/3	2/4	2/6	2/8	2/10	3/-	3/3	3/6
$\frac{5}{8}$ " ...	—	—	—	2/10	3/-	3/1	3/3	3/6	3/8	3/7	3/9	4/-	4/3	4/9
$\frac{3}{4}$ " ...	—	—	—	4/-	4/2	4/3	4/6	4/9	5/-	5/3	5/6	5/9	6/-	6/3

Awards for Excellence of Machines and Tools :



No. 2915.



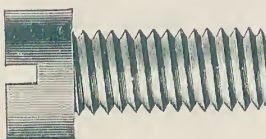
ENGINEERS' SET SCREWS (Hexagon or Square Heads).

Black Iron.

Length (under head to point).	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ in. and up.
	Gross.	Gross.	Gross.	Gross.	Gross.	Cwt.	Cwt.
Up to and including 1 in. ...	4/6	5/6	7/-	9/-	11/-	43/-	40/-
Above 1 in. and including $1\frac{1}{2}$ in. ...	5/6	6/6	8/6	10/6	12/6	41/-	31/6
" $1\frac{1}{2}$ " " " 2 " ...	6/6	7/6	10/-	12/-	14/-	40/-	36/-
" 2 " " " $2\frac{1}{2}$ " ...	7/6	8/6	11/6	13/6	15/6	37/6	34/-
" $2\frac{1}{2}$ " " " 3 " ...	8/6	9/6	13/-	15/-	17/-	36/-	32/-

BRIGHT CHEESE-HEAD SET SCREWS.

No. 2916.



At per gross.

Length.	$\frac{1}{16}$	$\frac{7}{32}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$ in.
To $\frac{1}{2}$ in.	3/-	3/6	3/9	5/6	7/6	—	—
" $\frac{3}{4}$ "	3/-	3/6	4/-	6/-	8/-	—	—
" 1 "	3/3	3/9	4/6	6/6	8/6	13/-	23/-
" $1\frac{1}{4}$ "	3/6	4/3	5/-	7/3	9/6	15/6	25/6
" $1\frac{1}{2}$ "	—	4/9	5/6	8/-	10/6	18/6	28/-
" $1\frac{3}{4}$ "	—	—	6/-	9/-	12/-	21/-	32/-
" 2 "	—	—	—	—	—	23/-	34/-

BRASS FINISHED HEXAGON NUTS.

Whitworth Standard Sizes.

No. 2917.

Diameter of hole ...	$\frac{1}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$ in.
Price per doz. ...	1/-	1/6	2/-	2/9

PRESSED STEEL SQUARE NUTS.

No. 2918.

Size of squares ...	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ in.
Tapped to suit ...	$\frac{1}{8}$	$\frac{5}{32}$	$\frac{3}{16}$	$\frac{7}{32}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$ "
Price per gross ...	1/3	1/3	1/6	1/6	1/10	2/6	3/6

PRESSED HEXAGON BRASS NUTS.

No. 2919.

Size of Squares ...	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$ in.
Tapped to suit ...	$\frac{1}{8}$	$\frac{5}{32}$	$\frac{3}{16}$	$\frac{7}{32}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$ "
Price per gross ...	2/-	2/-	2/6	3/6	5/-	7/-	9/-

BRASS WASHERS.

No. 2920.

Size of hole to suit Screw No.	8	9	10	12	14	16	18	20
Size of Washer ...	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$ in.
Thickness, W.G.	15	15	15	15	15	15	15	15
Price per gross ...	3/-	3/3	3/6	3/9	4/-	4/6	6/6	8/-

BRASS BEVELLED-EDGE WASHERS.

No. 2921.

Size to suit Screw No. ...	8	9	10	12	14	16	18	20	22
Size of Washer ...	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{1}{2}$ in.
Thickness, W.G. ...	13	13	13	13	13	13	13	13	13
Price per gross ...	3/9	4/-	4/3	4/9	5/-	5/6	6/9	8/-	9/-

No. 2922.

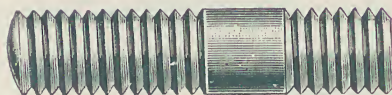


ROUND, FLAT, COUNTERSUNK AND PAN HEAD RIVETS.

Diameter ...	$\frac{1}{8}$	$\frac{5}{32}$	$\frac{3}{16}$	$\frac{7}{32}$	$\frac{1}{4}$	$\frac{9}{32}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$ in.
Price per lb. ...	-/9	-/8	-/6	-/6	-/5	-/5	-/5	-/5	-/5	-/5

Bronze Medal, 1884.—Gold Medal, 1890.



**"IRON" STUDS.****No. 2923.**

Black Middles

PRICE PER DOZEN.

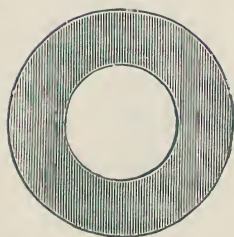
**No. 2924.**

Bright.

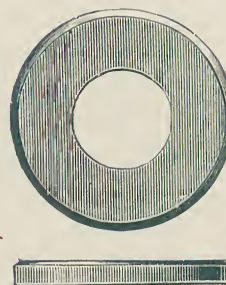
Length. in.	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	4	Length. in.	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	4
Dia., in.												Dia., in.											
$\frac{1}{4}$	-6 $\frac{1}{2}$	-6 $\frac{1}{2}$	-6 $\frac{1}{2}$	-7	-7 $\frac{1}{2}$	-8	-8 $\frac{1}{2}$	-8 $\frac{1}{2}$	-	-	-	$\frac{1}{4}$	-10	-10	-10	-10	-10 $\frac{1}{2}$	-11	-11 $\frac{1}{2}$	1/-	-	-	-
$\frac{5}{16}$	-7 $\frac{1}{2}$	-7 $\frac{1}{2}$	-7 $\frac{1}{2}$	-7 $\frac{1}{2}$	-8	-8 $\frac{1}{2}$	-9	-9 $\frac{1}{2}$	-10	-10 $\frac{1}{2}$	1/-	$\frac{5}{16}$	-11	-11	-11	1/-	1/1	1/2	1/3	1/4	-	-	-
$\frac{3}{8}$	-8	-8	-8	-8	-9	-10	-11	1/-	1/1	1/2	1/3	$\frac{3}{8}$	1/-	1/-	1/-	1/1	1/2	1/3	1/4	1/5	-	-	-
$\frac{7}{16}$	-9	-9	-9 $\frac{1}{2}$	-9 $\frac{1}{2}$	-10	-10 $\frac{1}{2}$	-11 $\frac{1}{2}$	1/1	1/2	1/3	1/4	$\frac{7}{16}$	1/2	1/2	1/2	1/3	1/4	1/5	1/6	1/7	-	-	-
$\frac{1}{2}$	-11	-11	-11 $\frac{1}{2}$	-11 $\frac{1}{2}$	1/-	1/1	1/2	1/3	1/4	1/5	1/6	$\frac{1}{2}$	-	-	-	1/6	1/7	1/8	1/9	1/10	1/11	2/-	-
$\frac{5}{8}$	1/2	1/2	1/3	1/3	1/4	1/4	1/5	1/6	1/7	1/8	1/9	$\frac{5}{8}$	-	-	-	2/-	2/2	2/4	2/6	2/8	2/10	3/-	3/3
$\frac{3}{4}$	1/6	1/6	1/7	1/7	1/9	1/9	1/11	2/-	2/1	2/2	2/6	$\frac{3}{4}$	-	-	-	2/6	2/10	3/3	3/6	3/9	4/-	4/3	4/6
$\frac{7}{8}$	-	-	-	-	2/-	2/3	2/6	2/9	3/-	3/3	3/9	$\frac{7}{8}$	-	-	-	-	-	-	-	4/-	4/6	5/-	5/6
1	-	-	-	-	2/9	3/-	3/3	3/6	3/9	4/-	4/3	1	-	-	-	-	-	-	-	5/6	5/9	6/-	6/6

**IRON AND STEEL WASHERS.****No. 2925.**

Iron.

**No. 2926.**

Steel.

**No. 2925.—Black Wrought Iron Washers.**

Size.			$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$1\frac{1}{16}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	in.
Light	...	...	-5	-5	-5	-6	-7	-8 $\frac{1}{2}$	-10	1/-	1/3	1/7	2/3	3/3	3/9	4/-	per grs.
Ditto	...	...	-1	-1	-1	-1	-1	-1 $\frac{1}{2}$	-1 $\frac{1}{2}$	-1 $\frac{1}{2}$	-2	-2	-3	-5	-6	-7	per doz.
Heavy	...	...	-7	-8	-9	-9 $\frac{1}{2}$	-10	-11	1/1	1/5	1/9	2/6	3/-	4/-	4/9	5/3	per grs.
Ditto	...	...	-1	-1	-	-1	-1 $\frac{1}{2}$	-1 $\frac{1}{2}$	-1 $\frac{1}{2}$	-2	-2	-3	-3 $\frac{1}{2}$	-6	-7	-8	per doz.

**No. 2926.—Bright Steel Washers.**

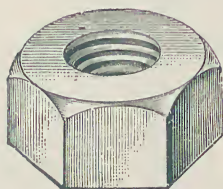
Turned all over, Bevelled Edges.

Size.				$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	in.
Price	...	...	...	5/6	6/-	6/3	6/6	8/-	11/-	13/6	17/-	24/-	30/-	40/-	47/-	51/-	per gross.
Ditto	...	...	...	-6	-7	-8	-8	-9	1/2	1/4	1/8	2/3	2/9	3/9	4/3	5/3	per doz.

**Awards for Excellence of Machines and Tools:**



## BEST BRIGHT SHAPED ENGINEERS' NUTS.



No. 2929.



IRON.

To Whitworth's Standard Size, and Tapped Whitworth's Standard Thread.

	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 in.
Standard Size, per gross	11/-	11/6	12/6	13/6	14/6	19/6	25/-	31/-	46/6	64/-	86/-	111/-	134/-	196/-	285/-
per dozen	1/-	1/1	1/1	1/3	1/3	1/9	2/3	2/9	4/-	5/6	7/6	10/-	12/-	17/6	25/-

No. 2930.

STEEL.

To Whitworth's Standard Size, and Tapped Whitworth's Standard Thread.

	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 in.
Standard Size, per gross	11/6	12/-	13/-	14/6	18/6	22/6	32/-	39/6	58/-	80/-	107/-	139/-	164/-	278/-	444/-
per dozen	1/-	1/2	1/5	1/4	1/8	2/2	2/10	3/7	5/2	7/-	9/6	12/-	14/-	25/-	38/6

No. 2931.

## TAPER PINS, SOLID STEEL.



PRICE PER GROSS.

Length ...	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4	$4\frac{1}{4}$	$4\frac{1}{2}$	$4\frac{3}{4}$	5 in.
Diameter. $\frac{3}{16}$ inch ...	5/6	6/3	7/3	8/-	9/6	10/3	11/3	12/-	13/9	—	—	—	—	—	—	—	—
$\frac{1}{4}$ " ...	6/3	7/3	8/6	9/6	10/9	11/6	13/-	14/-	15/-	16/-	17/6	18/9	20/-	—	—	—	—
$\frac{5}{16}$ " ...	7/9	9/-	10/3	11/6	13/6	14/6	15/9	17/-	18/3	20/-	21/-	19/-	24/-	25/-	27/-	28/-	30/-
$\frac{3}{8}$ " ...	9/6	10/9	12/6	14/6	15/6	17/6	19/-	21/-	22/6	24/-	26/-	27/6	29/-	30/6	32/-	34/-	36/-
$\frac{7}{16}$ " ...	11/6	14/-	16/-	18/6	21/-	23/-	25/-	27/-	30/-	32/-	34/-	36/-	39/-	41/-	43/-	45/-	48/-
$\frac{1}{2}$ " ...	—	—	—	—	26/-	29/-	31/6	35/-	38/-	40/-	43/-	46/-	49/-	52/-	55/-	55/-	61/-

No. 2932.

## BRIGHT COUNTERSUNK HEAD STOVE OR MACHINE SCREWS.

PER GROSS.

Diameter ...	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$ in.
Up to 1 in. long ...	2/8	3/-	4/4	6/8	12/-	16/-
$1\frac{1}{8}$ " $1\frac{1}{2}$ " " ...	—	3/8	6/-	9/-	13/4	17/3
$1\frac{5}{8}$ " 2 " " ...	—	4/9	7/-	10/3	17/3	26/9

No. 2933.

## BRIGHT ROUND HEAD MACHINE SCREWS.

PER GROSS.

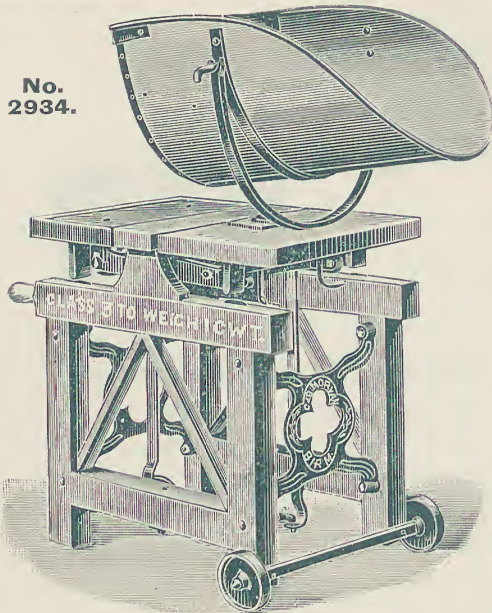
Diameter ...	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$ in.
Up to 1 in. long ...	3/-	3/-	3/-	6/3	8/-	13/4	18/9
$1\frac{1}{8}$ " $1\frac{1}{2}$ " " ...	—	4/-	4/-	6/3	10/-	14/-	23/-
$1\frac{5}{8}$ " 2 " " ...	—	—	4/3	6/3	9/3	16/-	29/3



Bronze Medal, 1884.—Gold Medal, 1890.



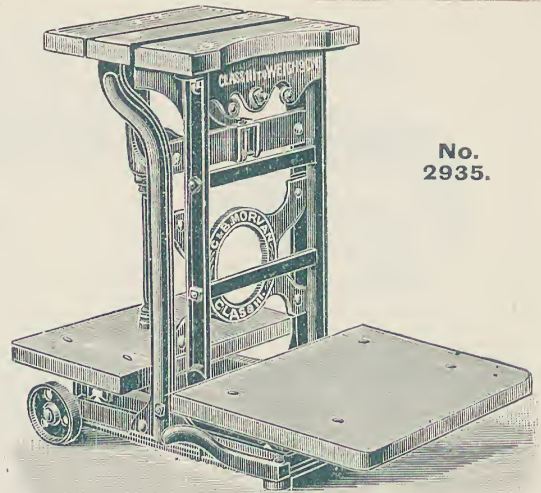
## WEIGHING MACHINES.

No.  
2934.**Dead Weight Coal Weighing Machine.**

For General Use in Coal Yards to weigh Loose Coals. Scoop to Swivel. Wood Frame, Beam, and Weight Scale of Cast-Iron, Knife Edges and Bearings. All working parts of Hardened Steel, in every particular to meet the requirements issued by the Board of Trade.

1	2	Cwt. to Weigh.
92/-	105/-	With two wheels, Japanned Iron Scoop.
99/-	125/-	" " " Galvanized " "
97/-	123/-	Without " " " " "
89/-	102/-	" " " Japanned " "
2/9	3/3	Each extra for Stamping.

Metal Plugged for stamping, -/3 each extra.

No.  
2935.**Dead Weight Sack Weighing Machine.**

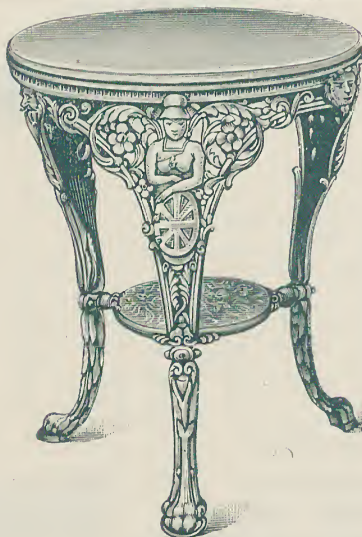
Strong and Serviceable Weighing Machine for Millers, Farmers, Provision Merchants, Potato Dealers, and General Purposes.

Frame Beam and Pillars of Cast-Iron, Knife Edges and Bearings of Hardened Steel, Wood Scale Boards. All working parts of Hardened Steel, in every particular to meet the requirements issued by the Board of Trade.

3 20 x 15½	4 21 x 16½	Cwt. to weigh. In. diameter of Goods Platform.
54/-	72/-	With two Wrought-Iron Folding Wings for weighing Bales of Wool, Cotton, Hops, and other bulky goods.
64/-	83/-	
34 x 15½ 2/9	35 x 16½ 2/9	Size with two wings extended. Stamping extra.

Metal Plugged for Stamping, -/3 each extra.

## RESTAURANT TABLES.

No.  
2936.

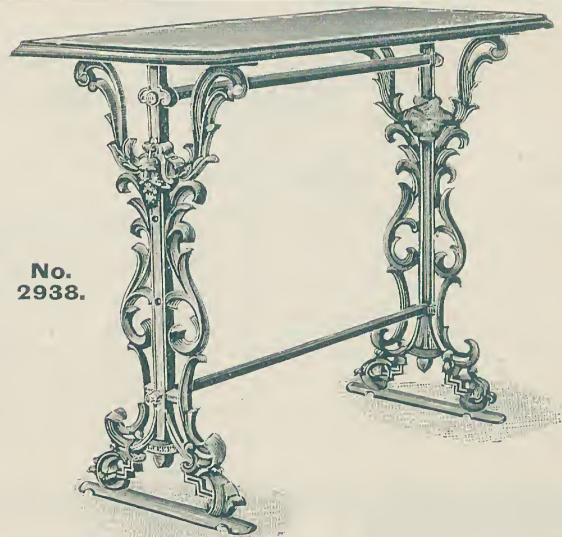
**Very Handsome and Cheap Cast Iron Round Top Table**, 30 in. high, Top 24 in. diameter. Price, Ironwork only, without Top, Fine Cast and painted one coat, any colour.

13/- each.

No. 2937.—Ditto Bronzed ... 17/- each.

**Round Marble Tops for above Tables.**

	Sizes	18	20	22	24	in. diameter.
Sicilian Marble, Round Edges	9/-	12/9	13/9	15/9	each.	
Rouge, or St. Ann's Marble	13/6	17/6	19/3	24/6	"	

No.  
2938.

**Face Pattern Oblong Table**, fitted with 2 Wrought-Iron Stretchers, with Angle Iron Bearing Frame to receive Top. Height 28 in.

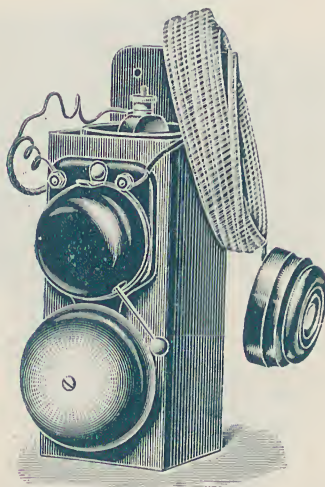
	Sizes	30 x 20	36 x 20	42 x 20	48 x 20 in.
Price. Ironwork only, without Top, Fine Cast and painted one coat any colour.		13/6	15/-	17/-	18/- each.
No. 2939.—Ditto Bronzed		17/3	19/6	21/-	22/9 "
<b>Marble Tops for above Tables</b> (rounded corners).					
	Sizes	30 x 20	36 x 20	42 x 20	48 x 20 in.
Sicilian Marble	...	12/-	12/-	15/6	18/- each.
Rouge, or St. Ann's	...	14/-	14/-	18/-	20/- "

Awards for Excellence of Machines and Tools:



## ELECTRIC BELL SETS.

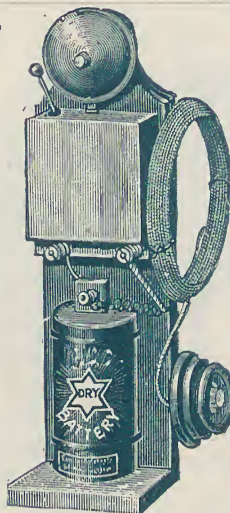
No. 3067.



Consisting of Bell, with Leather-board Case to hang, 12 yards Double Wire, Push, and Dry Cell, complete, **5/6** each.

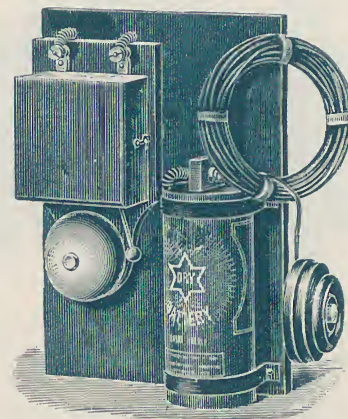
No.

3068.



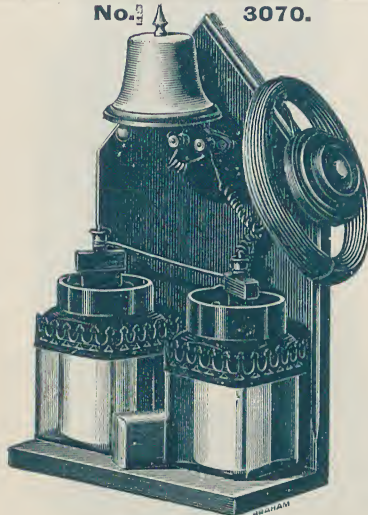
Complete with Leclanché Cells, 2½ in. Wood Push and 12 yards Wire, on Stained Wood Board, Staples, etc.  
Price **6/6** Ditto with Dry Cell **7/6**

No. 3069.



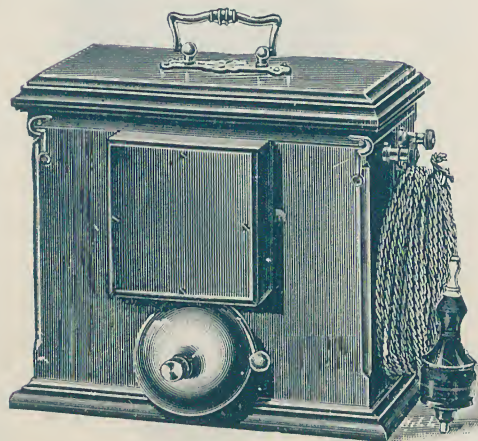
Complete with Wood Push and 12 yards Wire. Mounted on Walnut Board. With Leclanché Cell. With Dry Cell.  
Price **9/-** **10/6** each.

No. 3070.



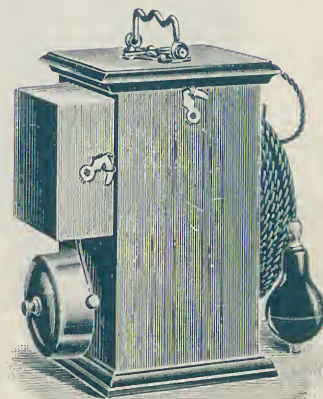
Complete with two Leclanché Cells, 2½ in. Wood Push and 24 yds. Wire and Staples. For long distance. Ditto with two Dry Cells.  
Price **18/-** **21/-** each.

No. 3071.



Ornamental Walnut Case. Complete with two No. 2 Leclanché Cells, 24 yards Silk Cord, and best quality Pear Push.  
No. 3071. Complete **42/-** each.  
„ 3072. With Dry Cells **45/-** „

No. 3073.



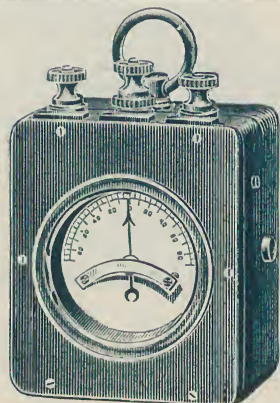
**Portable Bell Set.** Real Walnut Polished. 12 yards Dowle Silk Wire and Dry Battery complete **15/6**  
Ditto Imitation Walnut **10/6**

No. 3074.

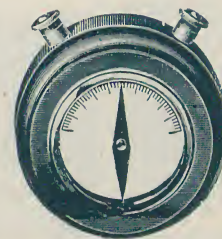
### Linesman's Detectors.

Dovetailed Polished Mahogany Case.  
Brass Terminals.  
Ring and Bezel.  
Silvered Dial graduated to 90 deg.  
Ivory Bobbins.

- No. 3074. Single Bobbin for Intensity... **22/6** each.  
„ 3075. Single Bobbin for Intensity up to 500 ohms. ... **27/-** „  
„ 3076. Double Bobbins for Intensity and Quantity, etc., etc. ... **30/-** „



No. 3077.



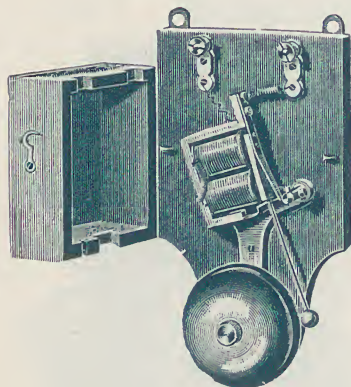
**Pocket Galvanometers.** With Compass Needle.  
Price **1/-** each.

Bronze Medal, 1884.—Gold Medal, 1890.



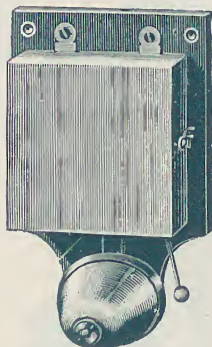
**ELECTRIC TREMBLING BELLS.**

In Polished Teak Cases, and Nickel Plated Bell Metal Gongs.

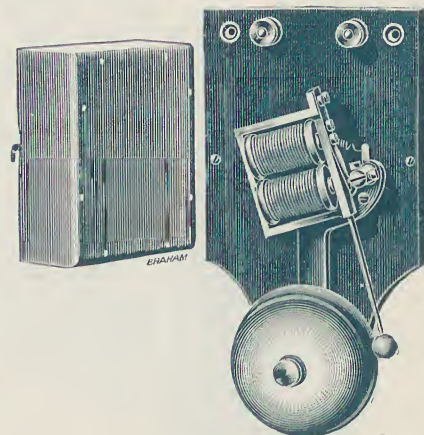
**No. 3078.**

Ordinary Quality.

Sizes ...  $2\frac{1}{2}$      $2\frac{3}{4}$     3 in.  
 Price ... **1/9**    **2/-**    **3/6** each.

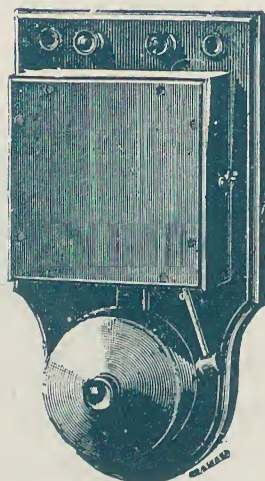
**No. 3079.**Ordinary Quality.  
With Sheep Gong.

Sizes ...  $2\frac{3}{4}$     3     $3\frac{1}{2}$  in.  
 Price ... **2/9**    **4/-**    **5/6** each.

**No. 3080.**

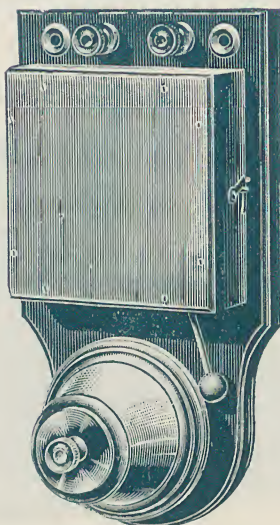
Medium Size.

Sizes ...  $2\frac{3}{4}$     3     $3\frac{1}{2}$     4 in.  
 Price ... **3/6**    **4/-**    **5/-**    **7/6** each.

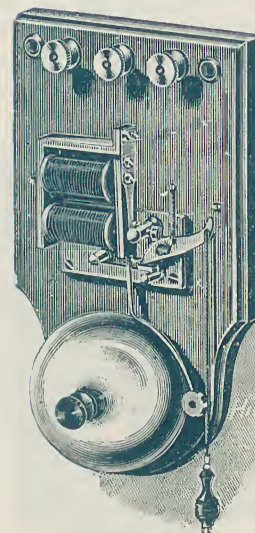
**No. 3081.**

Best Quality.

Sizes  $2\frac{3}{4}$     3     $3\frac{1}{2}$     4    5    6 in.  
 Price **4/6**    **4/9**    **6/9**    **7/6**    **11/-**    **14/-** each.

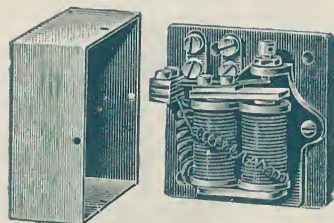
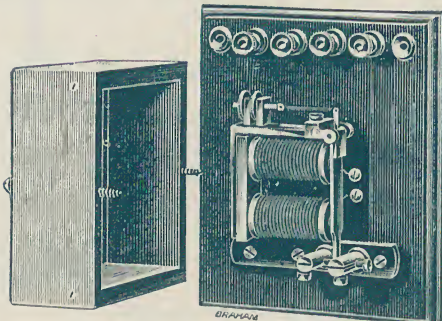
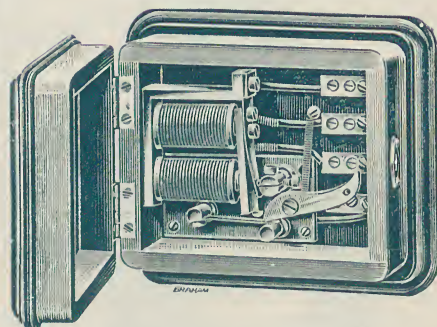
**No. 3082.**Best Quality.  
With Sheep Gong.

Sizes  $2\frac{3}{4}$     3     $3\frac{1}{2}$     4    5    6 in.  
 Price **4/6**    **4/9**    **6/9**    **7/6**    **11/-**    **14/-** each.

**No. 3083.**

Continuous Action.

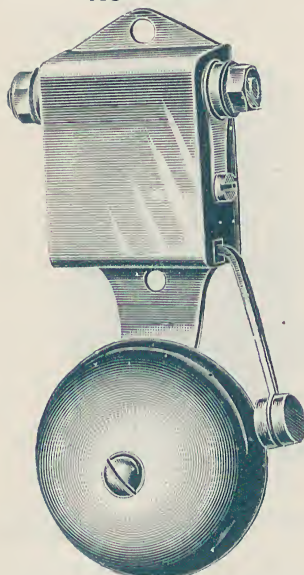
Sizes ... 3    4 in.  
 Price ... **4/6**    **6/6** each.

**No. 3085.****Electric Buzzers.**In Walnut Case.  
Price **4/-** each**No. 8086.****Electric Relays.**For long Lines on Brass Base. Best Finish.  
Resistance 10    25    50    100    200 Ohms.  
Price ... **17/6**    **18/6**    **22/-**    **28 6**    **33/-** each.**No. 3087.****Continuous Action Relay.**Price **17/6** each.**Awards for Excellence of Machines and Tools:**



## OUTSIDE ELECTRIC BELLS, BRACKET BELLS, Etc.

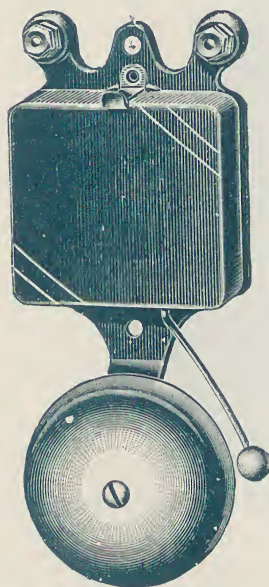
No. 3088.



Actual size.  
**Miniature Bell.**

Nickel Plated throughout.  
With Double Bobbins, wound with  
Silk-covered Wire.  $1\frac{1}{4}$  in. Gong.  
Price  $1/6$  each.

No. 3089.

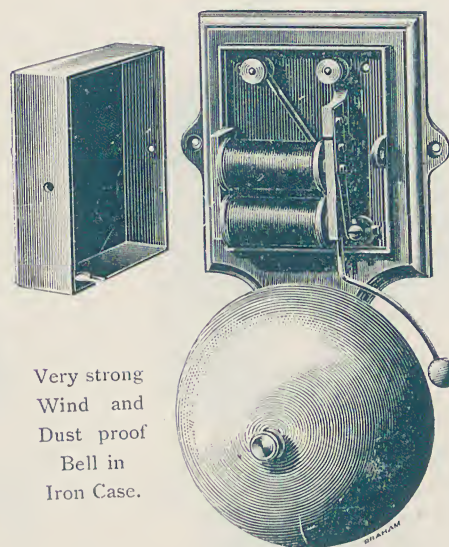


Made throughout in Stamped Metal.

Dust proof Case.  $2\frac{3}{4}$  in. Gong.

Price  $1/6$  each.

No. 3090.

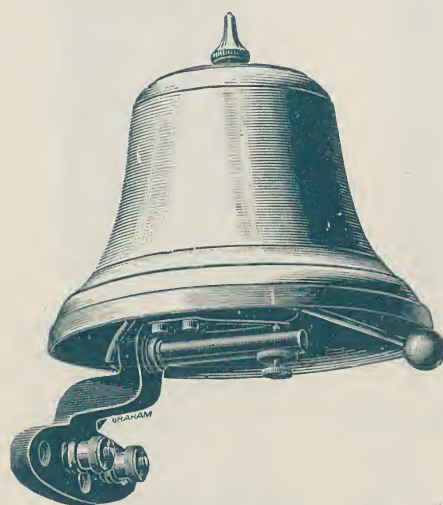


Very strong  
Wind and  
Dust proof  
Bell in  
Iron Case.

Sizes ...  $3\frac{1}{2}$  4 5 6 7 8 in.

Price ...  $15/6$   $17/6$   $21/-$   $23/-$   $30/-$   $42/-$  each.

No. 3091.



**The "Whittington" Bell.**

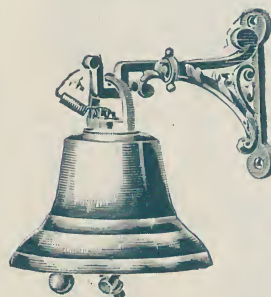
With Nickel Plated Gong.

Sizes ...  $3\frac{1}{2}$  4  $4\frac{1}{2}$  5 6 in.

Price ...  $7/6$   $9/-$   $10/-$   $13/6$   $17/6$  each.

Although loud, these Bells  
give out a clear silvery musi-  
cal tone, and not a harsh dis-  
sonant clang. The Movement  
has Double Bobbins wound  
with best Silk-covered Wire.

No. 3092.



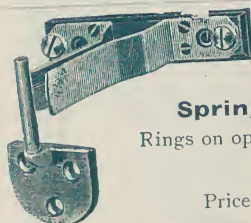
No. 3093.



**Bracket Bells.**

	Sizes	$3\frac{3}{4}$	$4\frac{1}{2}$	5	6	7	8 in.	
No. 3092.	Price	$5/6$	$7/-$	$8/6$	—	—	—	each.
" 3093.	"	—	—	—	$12/6$	$25/-$	$36/-$	" extra.
Brackets for ditto	...	$1/6$	$1/6$	$2/-$	$2/-$	$3/-$	$3/-$	

No. 3094.



**Spring Alarm.**

Rings on opening or shutting  
door.

Price  $1/9$  each.

No. 3095.

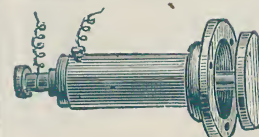


**Foot Contacts.**

With Spring Contact.

Price  $2/-$  each.

No. 3096.



**Water-tight  
Brass  
Barrel.**

Platinum Contacts.

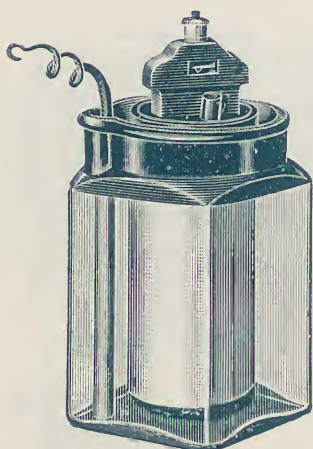
Price  $2/-$  each.

Bronze Medal, 1884.—Gold Medal, 1890.



**ELECTRIC BATTERIES AND FITTINGS.**

No. 3097.

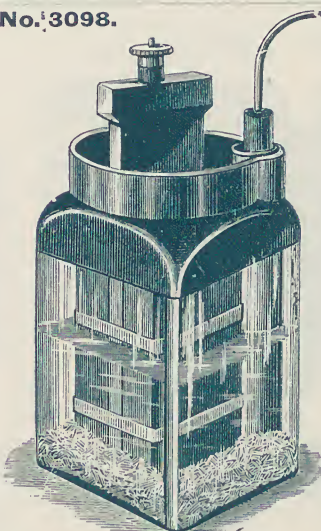
**Leclanché Batteries.**

Very best quality.

No. 1. (3 pint) ...	2/-	each.
No. 2. (2 pint) ...	1/2	"
No. 3. (1 pint) ...	1/1	"

Complete with Salammoniac.

No. 3098.

**Agglomerate Block Form.**

No. 1. (3 pint) ...	3/-	each.
No. 2. (2 pint) ...	2/-	"
No. 3. (1 pint) ...	1/10	"

Complete with Salammoniac.

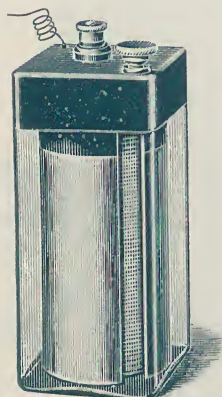
No. 3099.

**"Carporous" Leclanché Battery.**

Central Zinc.

No. 1. $7\frac{3}{4} \times 3\frac{1}{2}$ in.	3/9	complete.
No. 2. $6\frac{1}{2} \times 3$ in.	2/6	"
No. 3. $5\frac{1}{2} \times 2\frac{1}{2}$ in.	2/-	"

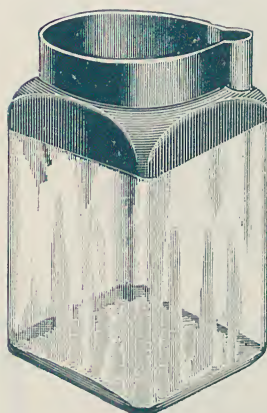
No. 3100.

**Sack Leclanché Batteries.**

Specially recommended for Night-Light work.

Size ...	$4\frac{1}{2} \times 2$ in.
Price ...	1/9 each.

No. 3101.

**Glass Jars.**

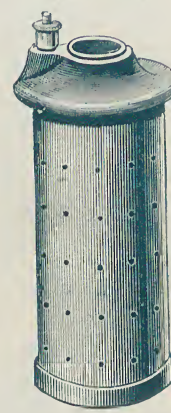
No. 1 (3 pint) ...	-/6	each.
No. 2 (2 pint) ...	-/4	"
No. 3 (1 pint) ...	-/3½	"

No. 3102.

**Porous Pots.**

No. 1 size ...	1/2	each.
No. 2 size ...	-/8	"
No. 3 size ...	-/7	"

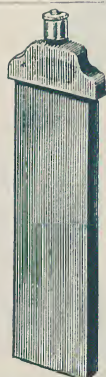
No. 3103.

**"Carporous" Pots.**

No. 1 size ...	3/3	each.
No. 2 size ...	2/-	"
No. 3 size ...	1/9	"

No.

3104.

**Capped Carbons.**

No. 1 size ...	-/6	each.
No. 2 size ...	-/4½	"
No. 3 size ...	-/4	"

No. 3105.

**Agglomerate Blocks.**

No. 1 size ...	1/3	each.
No. 2 size ...	1/-	"
No. 3 size ...	-/10	"

No. 3106.

**Porous Tubes.**

No. 1 size ...	-/3½	each.
No. 2 size ...	-/3	"
No. 3 size ...	-/3	"

No. 3107.

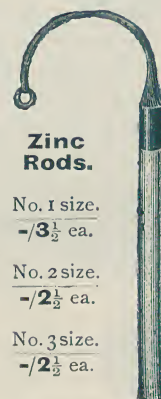


No. 3108.

**Indiarubber Rings.****No. 3107. No. 3108.**

	With Loops.	Without Loops.
No. 1.	-/8	-/4 per pair.
No. 2.	-/5	-/3
No. 3.	-/4	-/2½

No. 3109.

**Zinc Rods.**

No. 1 size.	-/3½	ea.
No. 2 size.	-/2½	ea.
No. 3 size.	-/2½	ea.

Awards for Excellence of Machines and Tools:



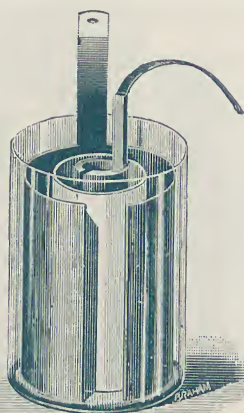
## BATTERIES.

No. 3110.



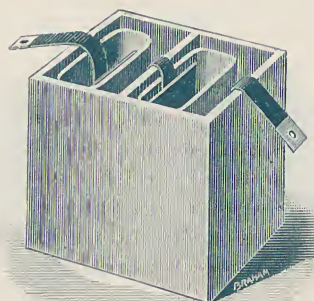
**Daniell (Gravity).**  
No. 3110. Small  $3/9$  complete.  
" 3111. Large  $5/9$  "

No. 3112.



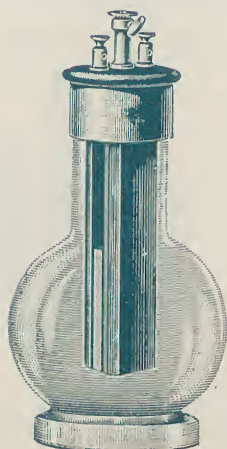
**Daniell (Quantity).**  
Price  $3/3$  complete.  
(Chemicals not included in above prices.)

No. 3113.



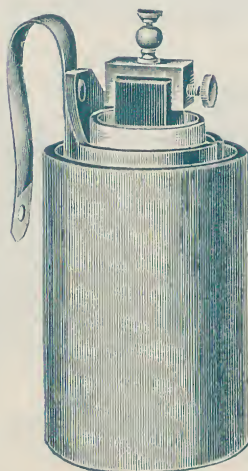
**Double Daniell.**  
Size  $5 \times 4\frac{3}{4}$  in.  $\times 4\frac{3}{4}$  in.  $\times 4\frac{7}{8}$  in.  
Price  $7/6$  complete.

No. 3114.



**Bichromate.**  
Sizes  $\frac{1}{2}$  1 2 3 pint.  
Price 2/- 3/-  $4/3$  6/- each.

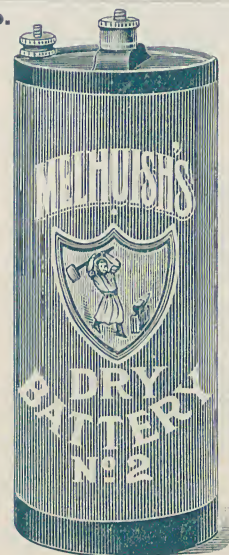
No. 3115.



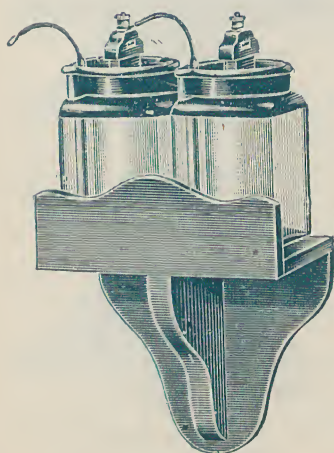
**Bunsen.**  
Sizes 1 2 3 pint.  
Prices 3/-  $3/9$   $5/6$  each.

No.

3116.



**Dry Battery.**  
No. 1 2 3 size.  
Price  $3/6$   $2/2$   $1/10$  each.  
No. 4. Square. Price  $1/6$  each.



No. 3117.

**Wood Bracket.**

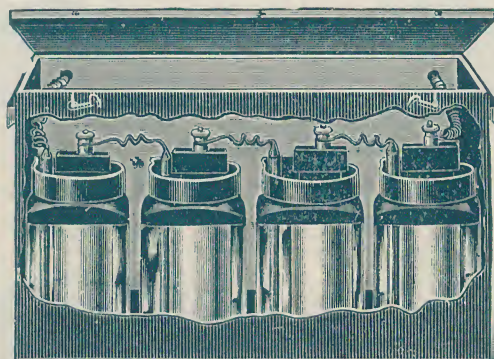
Strong Whitewood Painted  
Blue.

No. 3117. 2 Cell. 2/- each.

" 3118. 3 Cell.  $2/6$  "

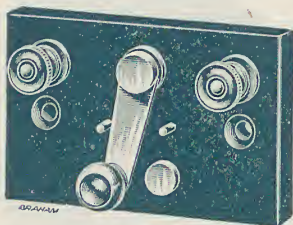
No.

3119.



**Complete Sets of Batteries** (in painted Wood Boxes).  
With 2 3 4 6 8 10 Leclanché Batteries.  
No. 3119. 1 pint  $4/6$   $5/9$   $7/-$   $9/9$   $12/6$   $15/6$  per set.  
" 3120. 2 pint  $5/-$   $6/3$   $7/9$   $11/6$   $14/9$   $18/-$  "  
" 3121. 3 pint  $7/-$   $9/6$   $11/6$   $17/-$   $22/-$   $27/-$  "

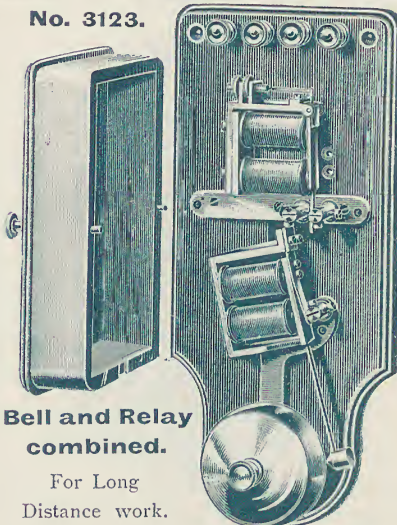


**ELECTRIC SWITCHES, CONTACTS, Etc.****No. 3122.**

Best Quality.

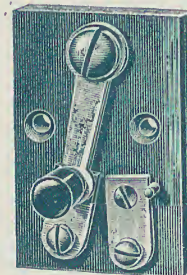
On Square Ebonite Base.

For	1	2	3	4-way.
Price	2/-	2/9	3/3	3/9 each.

**No. 3123.****Bell and Relay combined.**

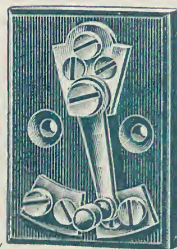
For Long Distance work.

Size 3-in. ... .. price 25/-

**No. 3124.****Electric Bell Switch.**

Plated.

For	1	2	3-way.
Price	-/9	1/-	1/3 each.

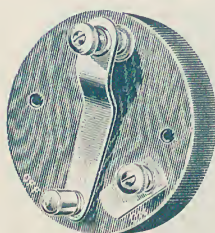
**ELECTRIC BELL SWITCHES.****No. 3125.**

Medium Quality.

On Square Ebonite.

 $1\frac{1}{4} \times 1\frac{3}{8}$  in.

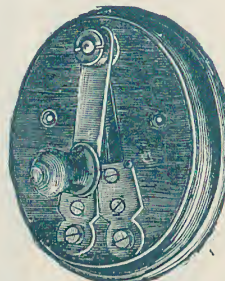
Price 1/3 each.

**No. 3126.**

Medium Quality.

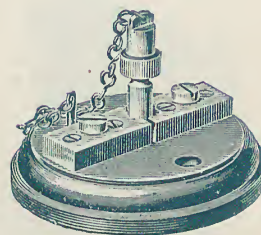
On Round Wood Base.

For	1	2	3	4-way.
Price	1/6	2/-	2/6	2/9 each.

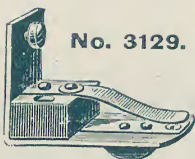
**No. 3127.**

Ordinary Quality.

For	1	2	3-way.
Price	1/1	1/4	1/8 each.

**No. 3128.****Plug Switch.**

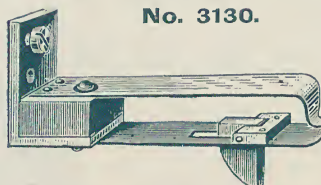
For	1	2	3-way.
Price	2/9	3/6	4/6 each.

**DOOR AND WINDOW CONTACTS.****No. 3129.**

Best Steel, 2-way.

Rings on Opening or Shutting Door.

Price 1/3 each.

**No. 3130.**

Best Steel, 1-way.

To Ring on Opening the Door only.

Price 1/9 each.

**No. 3131.****Door Alarm.**

With 2 Balls for Swing Doors, to Ring on their being Opened either way.

Price 4/6 each.

**No. 3132.**

Brass Base, with German Silver Spring and Ebonite Plunger.

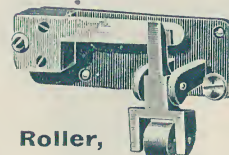
Price 1/- each.

**No. 3133.**

New Form, with Rubbing Contact.

Brass Base, German Silver Spring, either for Doors or Windows.

Price 1/6 each.

**No. 3134.****Roller,**

To Ring on Opening Door only.

Price 3/- each.

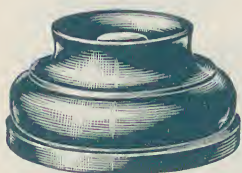
**Awards for Excellence of Machines and Tools :**



## WOOD PUSHES.

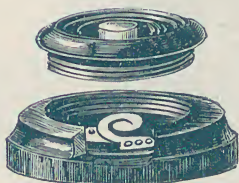
In Cherry, Walnut, Oak, or Maple, with German Silver Contacts.

No. 3135.



Polished Oak or Walnut.  
2 in. 2/9 per doz.

No. 3136.



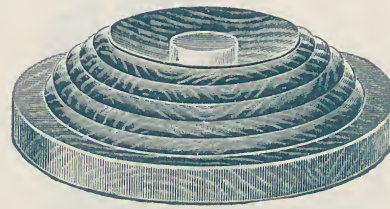
Sizes 2½ 3 in.  
Price 4/6 5/6 doz.

No. 3137.



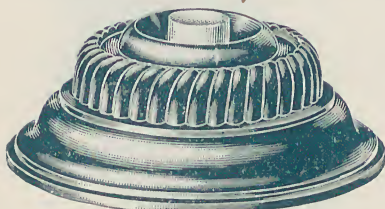
Sizes 2½ 3 in.  
Price 4/6 5/6 doz.

No. 3138.



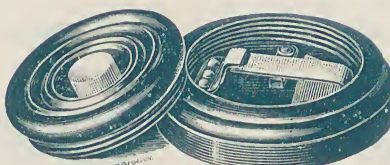
Best quality.  
Sizes 2½ 3 in.  
Price 4/6 5/6 doz.

No. 3139.



Ebonite Top, mounted on Ebony,  
Cocus, or Walnut Base.  
3 in. 1/6 each.

No. 3140.



Morse Key.  
3 in. 2/- each.

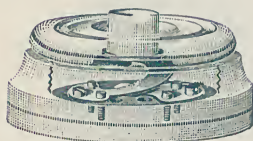
No. 3141.



Wall Rosettes in all Woods.  
Sizes 2 2½ 3 in.  
Price -/6 -/8 -/9 each.

## CHINA PUSHES.

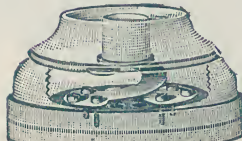
No. 3142.



Plain Patterns. In White, Cream, or Black.

Sizes 1¾ 2½ 3 in.  
No. 3142. Price -/9 1/- 1/2 each.  
No. 3143. Same price.

No. 3143.



No. 3144.



Plain, with Gold Lines, in  
White, Cream, or Black.  
Sizes 1¾ 2½ 3 in.  
Price -/11 1/1 1/3 each.

No. 3145.



Blue and Gold.  
3 in. 2/- each.

## BRASS PUSHES.

No. 3146.



Sizes 2 2½ 3 3½ in.  
Price 1/4 1/8 1/10 2/3 each.

No. 3147.



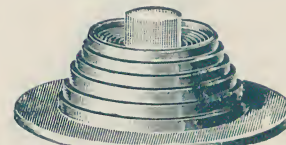
Sizes 2 2½ 3 3½ in.  
Price 1/4 1/8 1/10 2/3 each.

No. 3148.



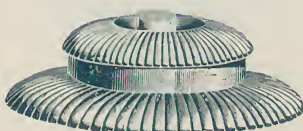
Sizes 2 2½ 3 3½ in.  
Price 1/4 1/8 1/10 2/3 each.

No. 3149.



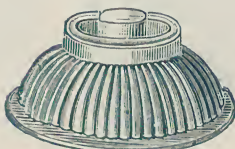
Sizes 2 2½ in.  
Price 1/2 1/3 each.

No. 3150.



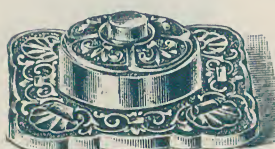
Best quality.  
Size 3½ in. 5/- each.

No. 3151.



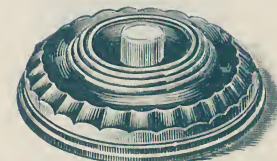
Sizes 2½ 3 3½ in.  
Price 2/9 3/- 3/6 each.

No. 3152.



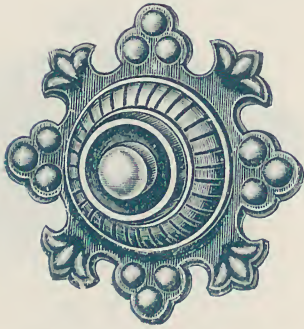
Best quality.  
Size 3½ in. 3/6 each.

No. 3153.

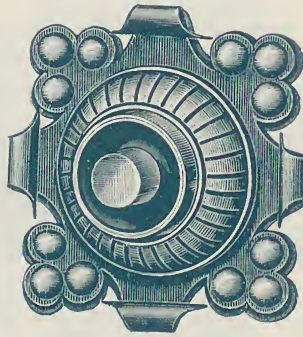


Best quality.  
Sizes 3 3½ in.  
Price 3/3 4/- each.

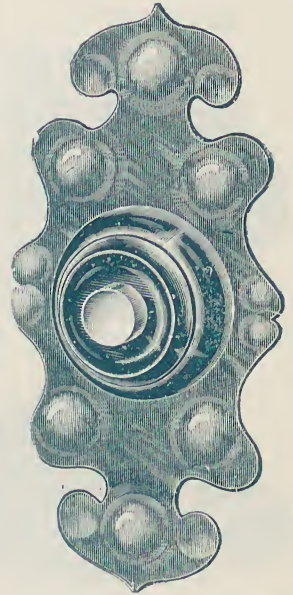


**ELECTRIC PUSHES.****No. 3154.**

Hand-made Repoussé Back, either Brass or  
Copper, Cast Brass Centre.  
 $3\frac{1}{2}$  in. 3/6 each.

**No. 3155.**

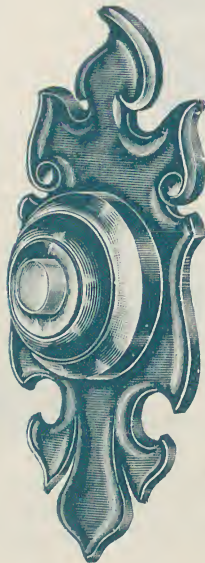
Hand-made Repoussé Back, either Brass or  
Copper, Cast Brass Centre.  
3 in. 4/- each.

**No. 3156.**

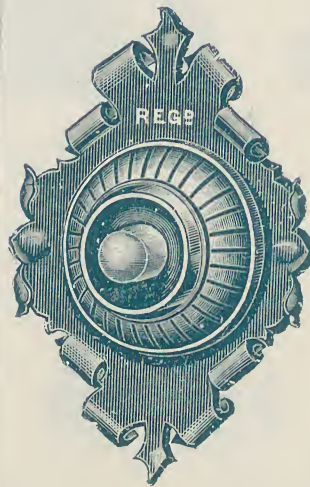
Repoussé Copper Back, Brass  
Chased Dome.  
6 x 3 in. 5/- each.

**No. 3157.**

Bronzed and Relieved.  
 $5\frac{3}{8} \times 2\frac{5}{8}$  in. 4/6 each.

**No. 3158.**

Bronzed and Relieved.  
 $5\frac{5}{8} \times 2\frac{3}{4}$  in. 4/9 each.

**No. 3159.**

Made in Wrought Iron, with Copper  
Dome, or Brass or Copper Back,  
Cast Brass Centre.  
Price ... 5/6 each.

**No. 3160.****No. 3161.**

Bright Brass, Ebonite Back,  
Fixed Plunger.  
Sizes  $1\frac{1}{2}$  2  $2\frac{1}{2} \times 4$  in.  
Price 1/4 1/9 2/3 each.

**No. 3162.**

Bright, Bronzed, or half Bronzed.  
Sizes 1  $1\frac{1}{2}$  2  $2\frac{1}{2}$  3 in.  
Price 2/- 2/6 3/6 4/- 5/6 ea.

**No. 3163.**

Bright Bronzed.  
Sizes ... 1  $1\frac{1}{2}$  in.  
Prices ... 2/- 2/3 each.

**No. 3164.**

**Short Barrel Pushes.**  
Bronzed, 1/- each.

**Awards for Excellence of Machines and Tools:**



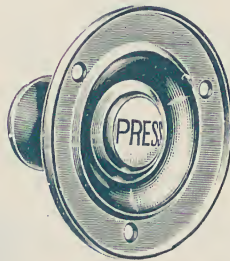
## ELECTRIC BELL PUSHES.

No. 3165.



Bright Brass.  
3 × 1½ in.  
Price 1/3 each.

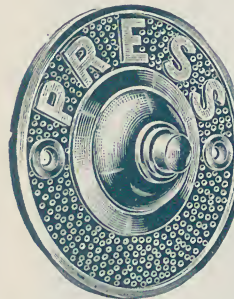
No. 3166.



**Barrel Push.**  
Polished Brass or Bronzed.

Sizes 1½ 2 2½ 3 3½ 4 in.  
Price 2/- 2/3 2/9 3/- 3/3 4/- ea.

No. 3167.



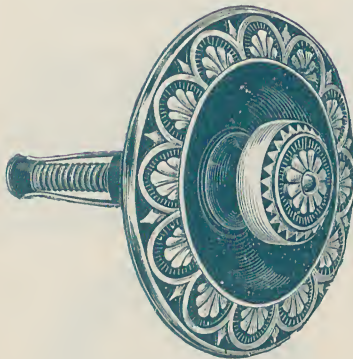
**Bronzed Cast Push.**  
Sizes 2½ 3 3½ 4 in.  
Price 1/- 1/3 1/9 2/- each.

No. 3168.



With Long Barrel.  
Bright or Bronzed and Relieved.  
4½ in. 4/6 each.

No. 3169.



**Front Door Bell Pull.**  
Bronzed and Relieved.  
Sizes 4½ in. 5 in.  
Price 4/6 6/- each.

No. 3170.



**Pear Push.**  
In Ebony, Cocus, Walnut, or Oak.  
Price 1/- each.  
**No. 3170.**  
Cheaper quality -/8 each.

No. 3171.



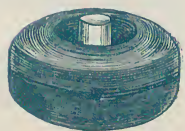
**Pear Push.**  
In Ebony, Cocus, Walnut, or Oak.  
Price 1/9 each.

No. 3172.

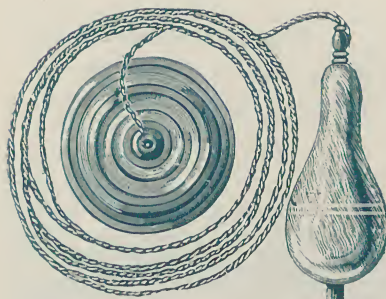


**Suspension Pushes.**  
Assorted Woods.  
**No. 3172.** -/7 each.  
**No. 3173.** -/7 "

No. 3173.

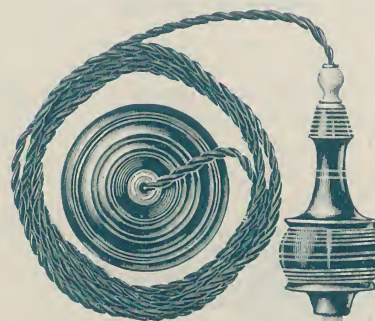


No. 3174.



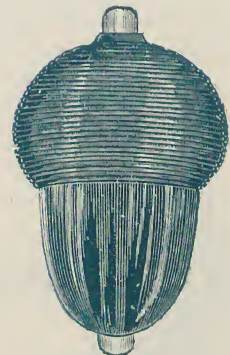
**Pear Push Set.**  
In Ebony, Cocus, Walnut, or Oak.  
Consisting of Pear Push, Two Yards Silk Flexible Cord, and Rosette.  
Price 1/6 per set.

No. 3175.



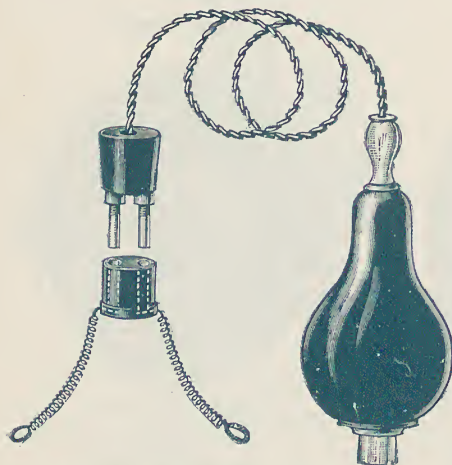
**Ornamental Pear Push Set.**  
In Ebony, Cocus, Walnut, or Oak.  
Consisting of Pear Push, Two Yards Silk Flexible Cord, and Rosette.  
Price 2/9 per set.

No. 3176.



**Suspension Combination Push and Pull.**  
Price 2/- each.



**ELECTRIC BELL FITTINGS.****No. 3177.****Patent Extension Plunger.**

For converting any ordinary Push into an extension Push, with 3 yards Silk-covered Flexible Cord.

Price **1/6** each.

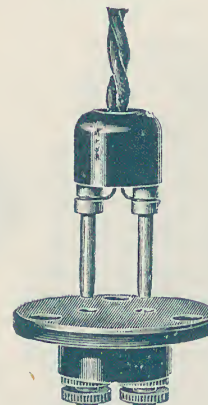
**No. 3178.**

Contact made by slight pressure.

**Pressel.**

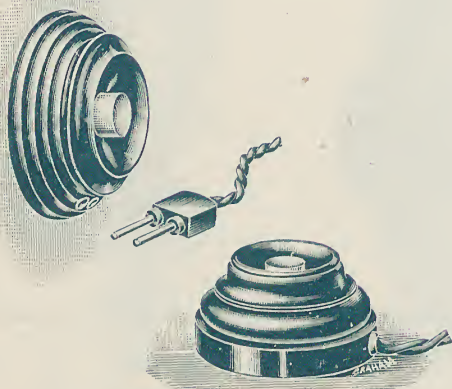
In Ebony, Cocus, or Walnut.

Price **1/6** each.

**No. 3179.****Floor or Wall Contact Plate.**

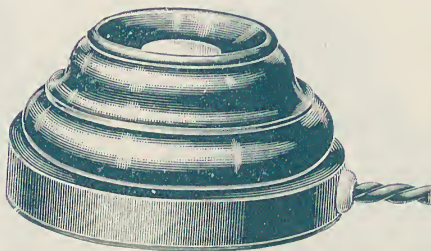
To be attached to Flexible Cord.

Price **1/9** each.

**No. 3180.**

This Push is wired with Special Connections to receive a Movable Plug with Flexible Cord and Push, to connect a Dining Table, Writing Desk, Bedstead, etc., with the ordinary Electric Bell.

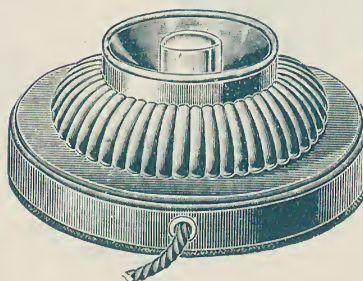
Price, complete with Table or Pear Push, and 3 yards Flexible Cord, **5/-** each.

**No. 3181.****Table Pushes.**

In Ebony, Cocus, or Walnut.

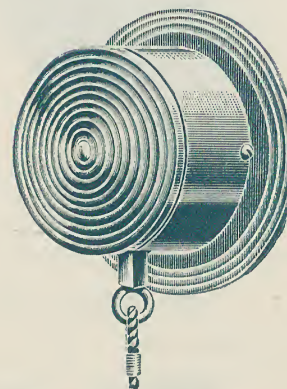
Size  $2\frac{3}{4}$  in.

Price **1/3** each.

**No. 3182.****Polished Brass Table Push.**

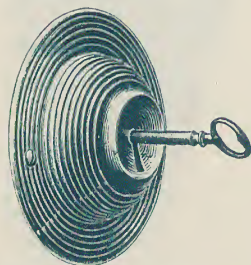
Size  $2\frac{1}{2}$  3 in.

Price **4/3** **4/6** each.

**No. 3183.****Brass Bedroom Pull.**

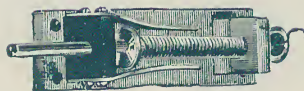
**3183.** Polished Reeded, **2/3** each.

**3184.** In Walnut or Ebony, **1/9** each.

**No. 3185.****Watchman's Push.**

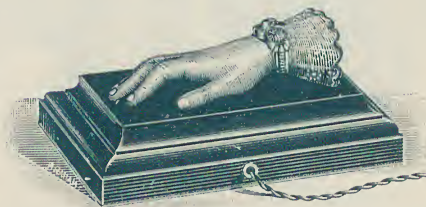
Polished Brass, with Ebonite Back and Key.

Price **3/9** each.

**No. 3186.****Pull Converter.**

This Contact has been designed to convert any existing Crank Bell into an Electric Bell Pull.

Price **1/9** each.

**No. 3187.****Hand-Chased Bronze Table Pushes**

(Paper Weights).

Price **9/-** each.

**Awards for Excellence of Machines and Tools:**



## ELECTRIC BELL FITTINGS.



**No. 3188.**  
**Front Door Multiple Pushboard.**

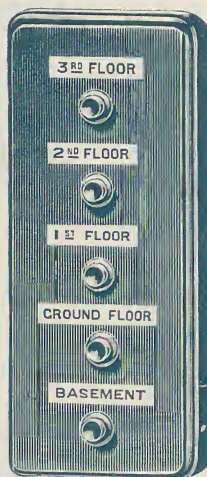
For Flats, Chambers, etc.

	Size of Pushes, Brass Plate.	Unmounted.	Mounted on Polished Board.
2	$2\frac{3}{4} \times 5$	10/-	11/6
3	$3 \times 6\frac{1}{2}$	15/-	17/6
4	$3 \times 9\frac{1}{2}$	18/6	21/-

Additional Pushes in proportion.

Engraving (not more than six letters over each Push), 3/6 per Press.

Any deviation from the above dimensions will be charged extra.



**No. 3189.**  
**Flats Pushboard.**

Polished Teak, Moulded.

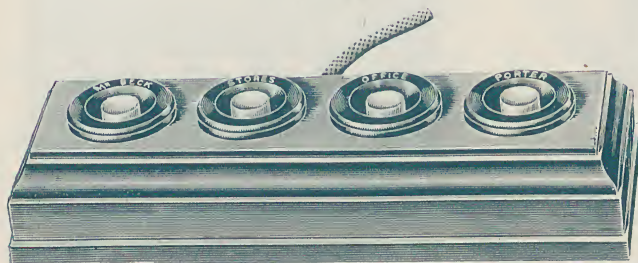
Can be mounted in any sheltered position, such as a porch or entrance hall.

Recessed at back, and provided with "Midget" Pushes.

Prices without labels.

Size	No.	2	3/-	complete.
6 x 3	"	3	3/9	"
" 6 x 3	"	4	4/9	"
" 9 x 3	"	5	5/6	"
" 9 x 3	"	6	6/3	"
" 12 x 3	"	7	8/-	"
" 12 x 3	"	8	8/9	"
" 12 x 3	"	9	9/6	"

**No. 3190.**



**No. 3191.**



Specification.

Price for the Complete Boards of the Respective Number of Calls as follows:—

Polished Walnut, Carved Moulding, Countersunk Ebonite Cups with Rims for Engraving, Imitation Ivory Plungers and Nozzle, Silver Points and Brass Screws throughout. Board weighted, and Base covered Green Baize.

The 1 Call is Round, and has no Countersunk Cups. Polished Walnut, Simple Moulding, Flat Top, Imitation Ivory Plungers and Nozzle, Countersunk Ebonite Cups with Rims for Engraving, Silver Points and Brass Screws throughout. Board weighted, and Base covered Green Baize.

	1	2	3	4	5	6	7	8	9	10	11	12
2/-	3/6	4/-	5/-	6/3	7/3	8/3	9/-	9/9	10/6	11/9	12/6	
3/-	3/9	4/6	5/6	6/6	7/6	8/6	9/6	10/6	11/6	12/6	13/6	

ARRANGEMENT.—Up to 5 Nos., One Row. 6 to 12 Nos., Two Rows.

ENGRAVING.—The Engraved Ivory Label having been found for many reasons inconvenient, we have brought out the New Pattern Boards, as illustrated, the advantages being that the names can be engraved in two or three days; also the White Letters on Black Ebonite Cups are much more conspicuous than the small labels. Ordinary Inscriptions, in English Block Letters, filled White, 1/6 per word of nine letters.



**No. 3192.**  
**Multiple Push Plate.**

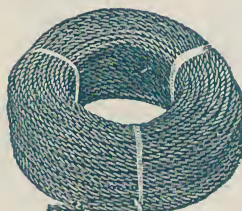
Prices, complete.

2 Way	..	...	...	...	4/-	each.
3 "	..	...	...	...	6/-	"
4 "	..	...	...	...	7/-	"
5 "	..	...	...	...	8/-	"
6 "	..	...	...	...	8/9	"

Engraving six letters, 3/6 per Press.

Long words proportionally extra.

**No. 3193.**



**Flexible Cord.**

Used with Movable or Suspension Pushes.

**No. 3193.**

2 Strand, Thin 1/8 doz. yards.  
12/6 gross.

**No. 3194.**

2 Strand, Thick 2/3 doz. yards.  
17/6 gross.







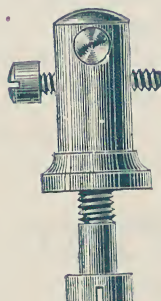


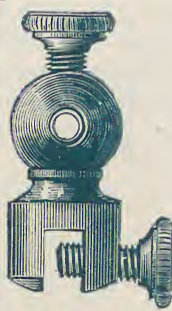
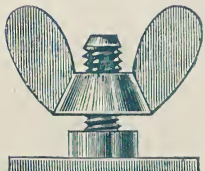
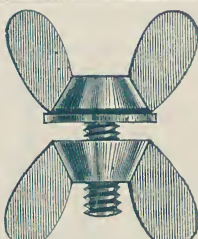


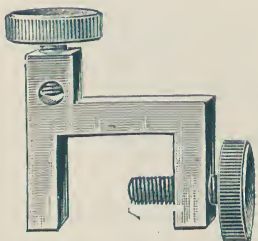









## BRASS BINDING SCREWS.



The number denotes the order of the relative sizes, the first number being the largest of the series, one of each series being shown by diagram in its actual size.

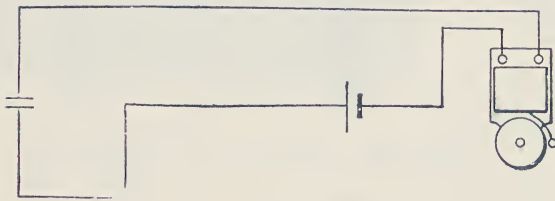
 <p><b>No. 3205.</b></p>	<p><b>No. 3210.</b></p> 	<p><b>No. 3212.</b></p> 	<p><b>No. 3214.</b></p> 	<p><b>No. 3215.</b></p> 
<p><b>No. 3205.</b> 4/- per doz " <b>3206.</b> 3/9 " " <b>3207.</b> 2/3 " " <b>3208.</b> 2/- " " <b>3209.</b> 1/9 "</p>	<p><b>No. 3210.</b> 2/3 per doz. " <b>3211.</b> 1/6 "</p>	<p><b>No. 3212.</b> 2/4 per doz. " <b>3213.</b> 1/9 "</p>	<p><b>No. 3214.</b> 1/6 per doz.</p>	<p><b>No. 3215.</b> 4/- per doz. " <b>3216.</b> 3/3 " " <b>3217.</b> 2/3 " " <b>3218.</b> 1/3 "</p>
 <p><b>No. 3219.</b></p>	<p><b>No. 3223.</b></p> 	<p><b>No. 3226.</b></p> 	<p><b>No. 3228.</b></p> 	<p><b>No. 3229.</b></p> 
<p><b>No. 3219.</b> 4/- per doz. " <b>3220.</b> 3/9 " " <b>3221.</b> 2/3 " " <b>3222.</b> 2/- "</p>	<p><b>No. 3223.</b> 4/- per doz. " <b>3224.</b> 3/6 " " <b>3225.</b> 2/9 "</p>	<p><b>No. 3226.</b> 4/6 per doz. " <b>3227.</b> 2/6 "</p>	<p><b>Brass Terminal Plate.</b> As used in Indicators. Per -/10 doz.</p>	<p><b>Clamp.</b> With two Milled Brass Screws. <b>No. 3229.</b> 4/- per doz. " <b>3230.</b> 3/6 "</p>
<p><b>No. 3231.</b></p>  <p><b>Single Wing Nut.</b> Base has two Countersunk Holes to receive Fixing Screws. Price 3/3 per doz.</p>	<p><b>No. 3232.</b></p>  <p><b>Double Wing Nut.</b> With two Wing Nuts and one Washer. Price 3/6 per doz.</p>	<p><b>No. 3233.</b></p>  <p><b>Battery Box Terminal.</b> The Base Plate has two Countersunk Holes to receive Fixing Screws. Price 4/- per doz.</p>	<p><b>No. 3234.</b></p>  <p><b>Brass Terminals.</b> Price 9/- per doz. All Sizes kept in Stock.</p>	
<p><b>No. 3484.</b></p>  <p><b>Clamp.</b> Sizes <math>\frac{5}{8}</math> <math>\frac{3}{4}</math> 1 <math>1\frac{1}{4}</math> <math>1\frac{1}{2}</math> in. Price 3/6 3/9 5/6 6/6 8/- doz.</p>	<p><b>No. 3485.</b></p>  <p><b>Wire Connector.</b> <b>No. 3236.</b> 3/3 per doz. " <b>3237.</b> 2/9 " " <b>3238.</b> 2/3 " " <b>3239.</b> 2/- "</p>	<p><b>No. 3486.</b></p>  <p><b>Headed Screw.</b> Per 2/6 doz.</p>	<p><b>No. 3487.</b></p>  <p><b>Back Nuts.</b> Per 2/6 doz.</p>	

Bronze Medal, 1884.—Gold Medal, 1890.

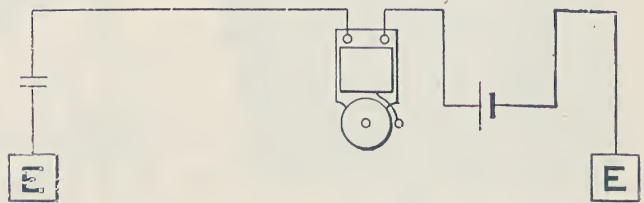


## DIAGRAMS SHOWING CONNECTIONS FOR BELL INDICATOR CIRCUITS, Etc.

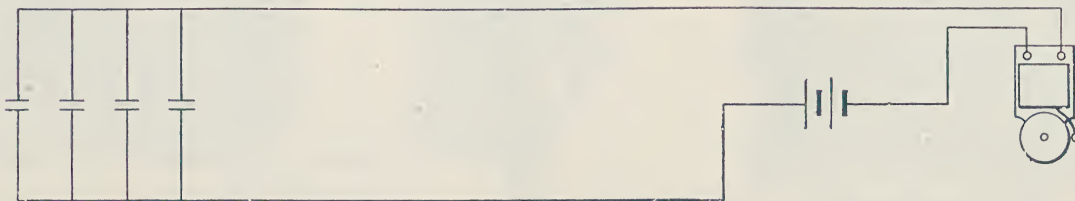
In the following Diagrams the Push is represented thus , Batteries , the long line indicating the Carbon, and the short, Zinc.



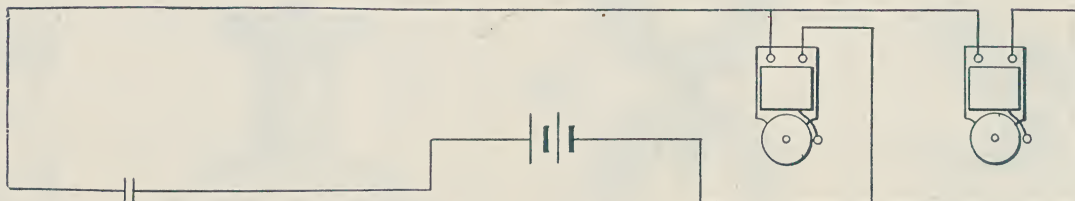
**No. 1. Simple Bell Circuit.**—Bell and cell connected to one push. The current flows from positive pole of the battery to the terminal, through the bell to terminal, and thence by the wire and push springs to the negative pole.



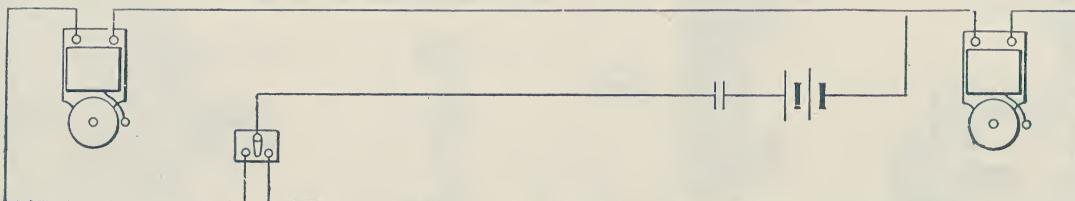
**No. 2. Simple Bell Circuit with "Earth."**—This circuit is completed between the two plates, E E, by the earth. In lieu of plates embedded in the earth, the wire from the zinc, and one of the wires of the push, can be connected with the water or gas pipes in the house.



**No. 3. Two, Three, or more Pushes to Ring the same Bell.**—The cells of the battery are joined in series—viz., zinc to carbon. The wires leading from the pushes are "branched" off from the trunk line.



**No. 4. Two Bells to Ring Simultaneously from One Push.**—The bells are connected in parallel; the resistance of the coils should be as near alike as possible. The current flowing through line divides, half passing through first bell and half through second bell. If there are many bells, sufficient battery power must be provided, the largest size cells being used.

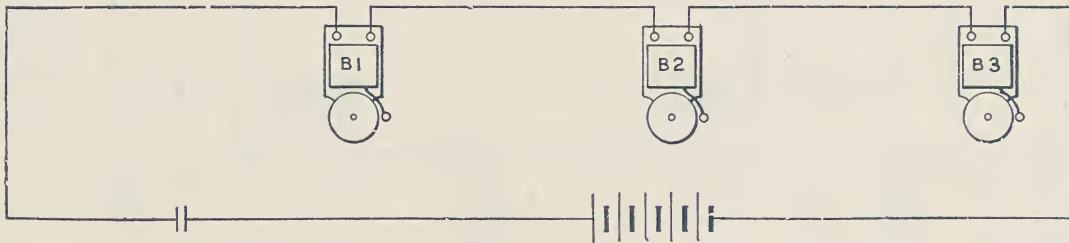


**No. 5. Two Bells in Separate Rooms, either of which can be Rung Singly by means of a Switch.**—A two-way switch is inserted in the circuit as shown. Either bell can be rung as desired by moving lever on switch to either contact. By means of a three or more ways switch any number of bells can be thus rung singly.

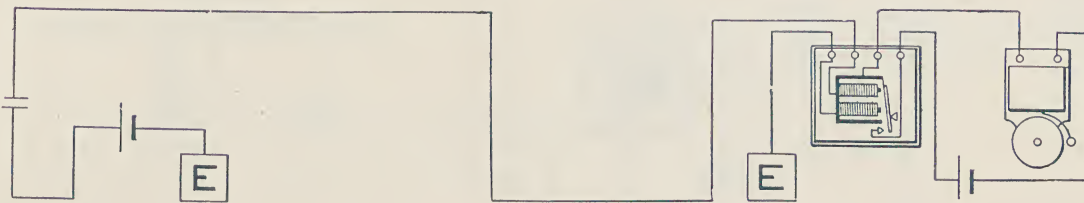
Awards for Excellence of Machines and Tools:



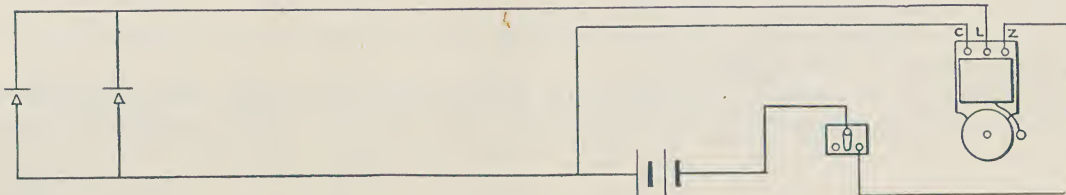
## DIAGRAMS (continued).



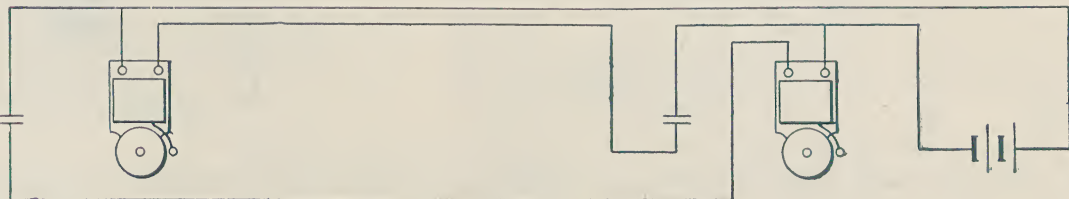
**No. 6. Bells in Series.**—Push to ring the bells  $B^1$ ,  $B^2$  and  $B^3$  simultaneously. The cells of the battery must be of sufficient number—connected in series—so as to obtain sufficient E.M.F. to overcome the high resistance of the bells. Single Stroke or Shunt Bells are recommended if bells are to be rung in series, although the ordinary Trembling Bells give satisfactory results if adjusted properly.



**No. 7. Single Bell Circuit with Relay (suitable for long distances).**—The zinc of battery and wire from relay are put to earth. The current flows from pole of battery through push wire and through the relays of wire to earth. The armature of relay is attracted and closes the local bell circuit; the current flowing from pole of local battery through the bell to the insulated post of the relay, and thence by the armature and wire to negative pole—the armature of the relay remaining down so long as the push is pressed.



**No. 8.—Continuous Action Bell Circuit for Burglar Alarm or Pushes.**—When a contact is closed, current flows from carbon through line, coils of bell to zinc, at same time dropping a lever in bell which puts battery direct on to bell by means of third terminal. Bell can be stopped by pulling lever down. The whole circuit can, when used for Burglar Alarm at night, be switched off during day by means of the one-way switch.

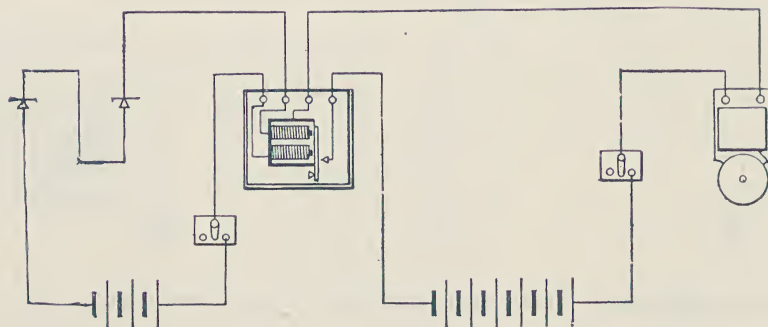


**No. 9. Signalling in either direction with one Battery.**—This is accomplished by using three lines and the opposite pole of battery at each push, as above diagram shows.



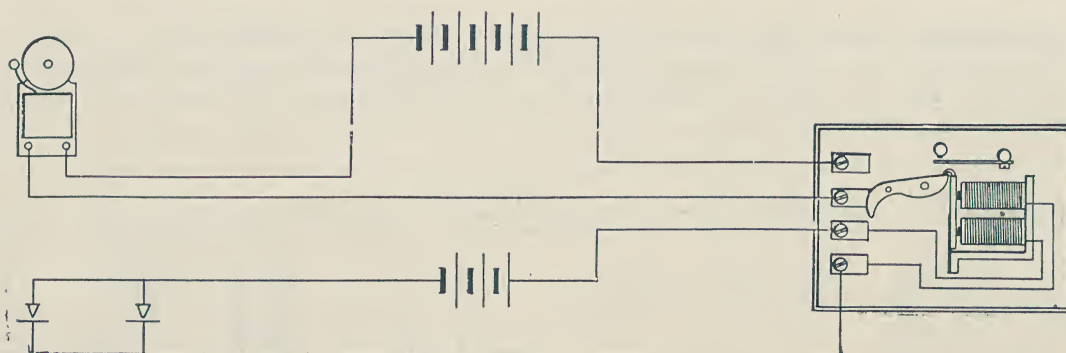
**DIAGRAMS (continued).**

**No. 10. Signalling in both directions with One Line, using Earth for Return.**—Morse Key or Double Contact Pushes must be used. When a Push is pressed, the current from carbon of near battery flows through line, top spring of distant Push, through bell and earth to zinc of battery.



**No. 11. Closed Circuit Burglar Alarm System.**—With the circuit shown in Diagram 8 there is always the possibility of any of the wires being cut by burglars, thereby breaking system down. In the above, the act of any alarm wire being cut gives the alarm. During daytime, or when system is not required, both switches should be thrown open. When required to be set for use, the switch in alarm side should be put over first, and the switch in bell side last, otherwise the bell will keep ringing until the first switch is over. The action is as follows:—The current is always flowing through relay, which keeps the armature attracted to coils and away from the local contact stud. Directly an alarm is given, either by one of the alarm contacts being released or a wire cut, the circuit is broken, and arm of relay drops back on the local contact stud, thus causing the alarm bell to continue ringing until stopped by means of switch.

N.B.—The cells shown in alarm side of above are the type S-Edison-Lalande, the ordinary primary cells not being suitable for closed circuit work where a steady output is required for a number of hours at a time. The relay should not be less than 200 ohms resistance.

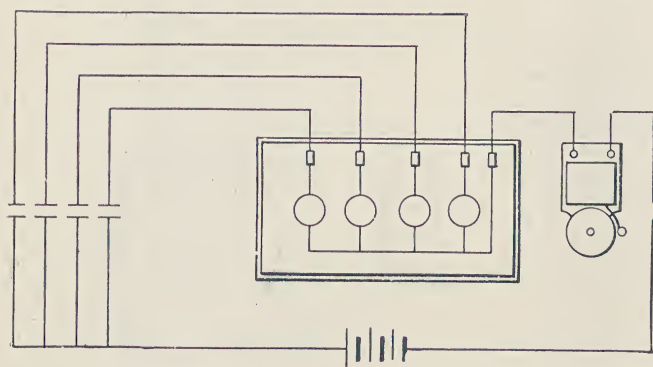


**No. 12. Ordinary Bells made Continuous Ringing by means of our Relay.**—The diagram above shows a large bell being converted into continuous action. Any size bell can be converted by this means, but for smaller bells one common battery can be used. To do this it is only necessary to bridge the two zinc terminals in relay, and run the third terminal one side of bell, and other side of bell to carbon of battery, to which also one side of pushes are attached, other side of pushes being run to first terminal of relay.

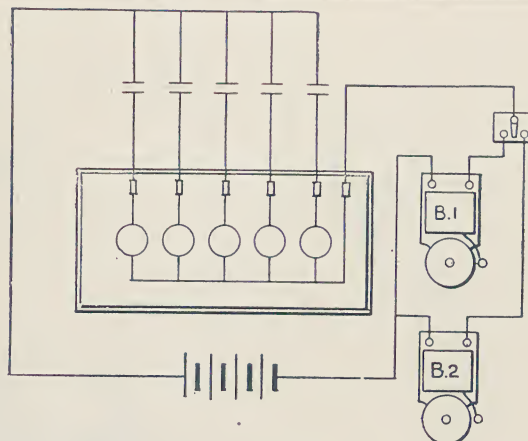
**Awards for Excellence of Machines and Tools :**



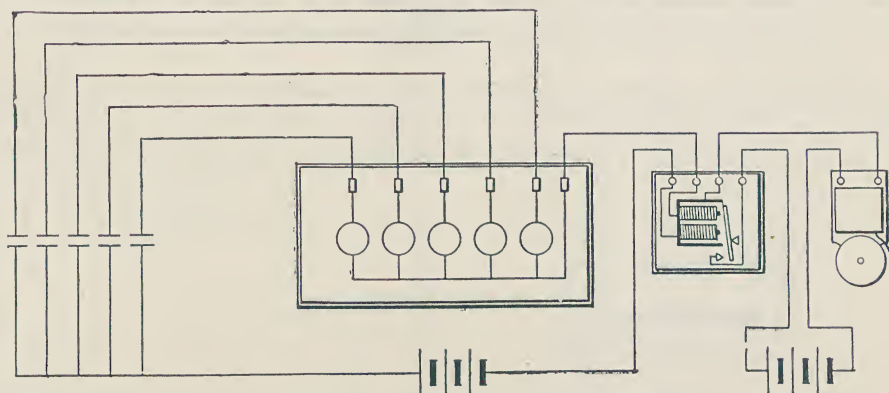
## DIAGRAMS (continued).



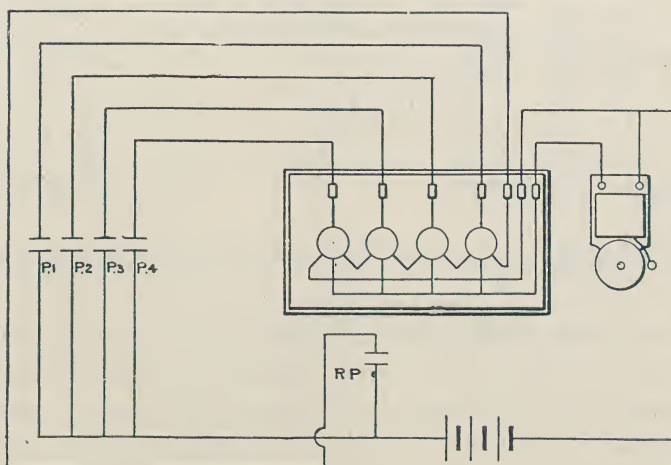
**No. 13.**  
**Simple Indicator Circuit.**



**No. 14. Indicator with two Bells,** one for down and one for upstairs. By moving lever of switch to right-hand stud Bell 1 will ring with Indicator, or moving lever to left-hand stud Bell 2 will ring.



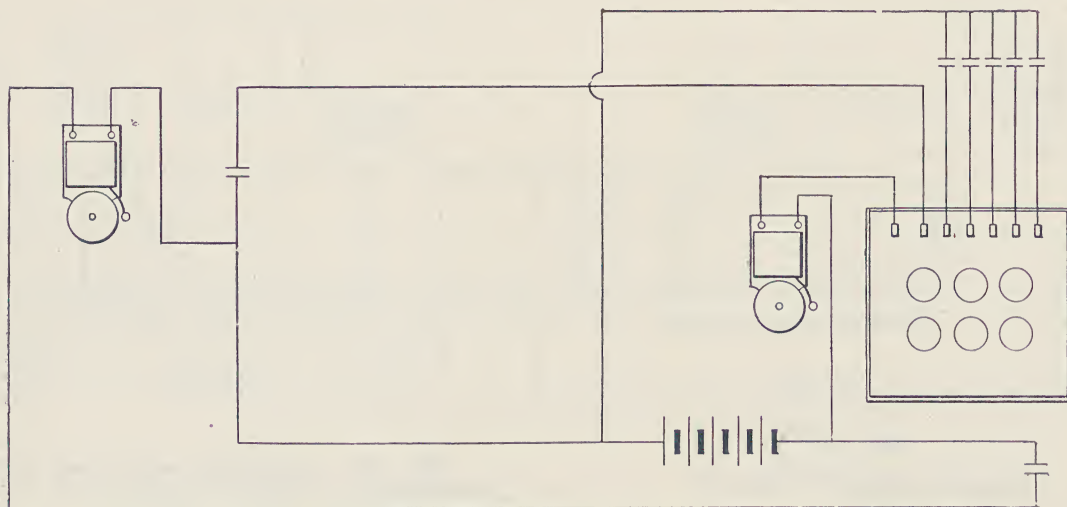
**No. 15. Indicator with Relay and Local Battery for ringing Bell.**—Where an extra large (say over 4 in.) bell is required to ring with an Indicator a relay should be used, as the difference in resistance of a large bell and an Indicator movement prevents their working satisfactorily together. The action of above is as follows:—When a Push is pressed the current flows from carbon, through Push, Indicator movement, coils of relay to zinc, the action of the current passing through relay coils attracts the armature of same to coils, thereby allowing the current of second battery to flow from contact stud through armature frame of relay and through bell to zinc.



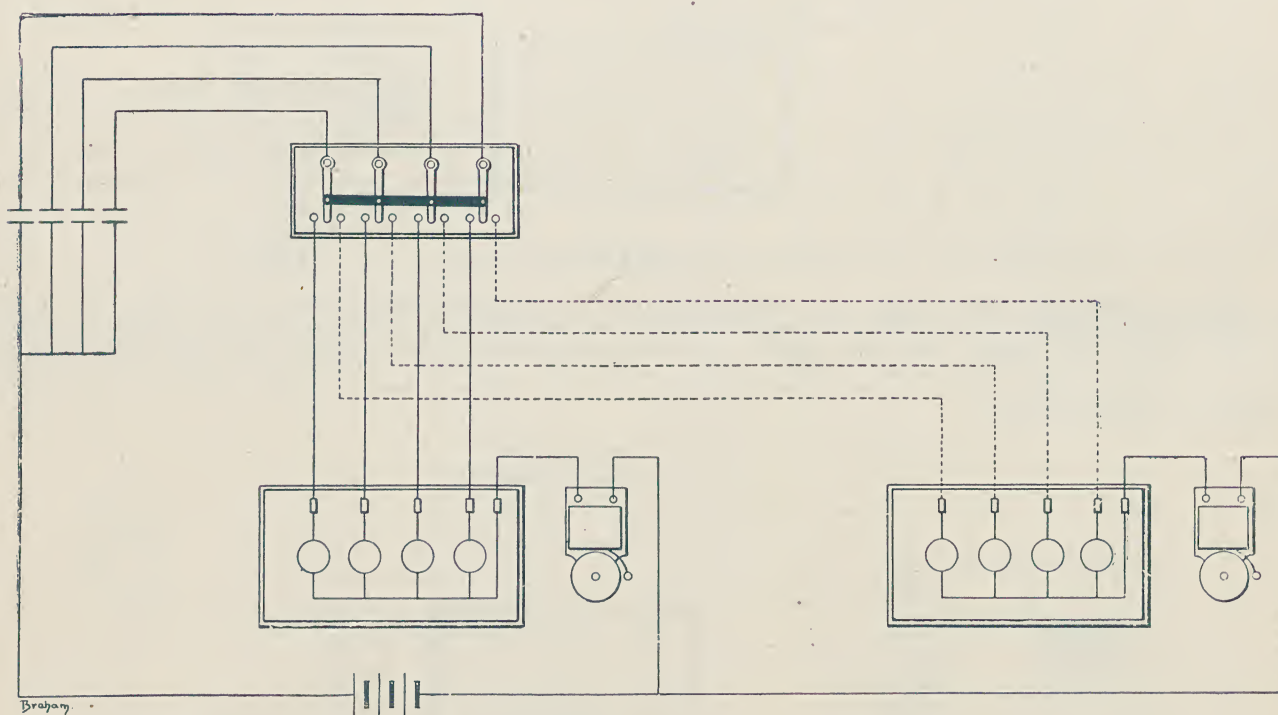
**No. 16. Electrical Replacement Indicator.**—The Pushes *P* 1, 2, 3, 4 are for indicating. Push marked *R P* is for replacing movements after a call has been made.

Bronze Medal, 1884.—Gold Medal, 1890.



**DIAGRAMS (continued).**

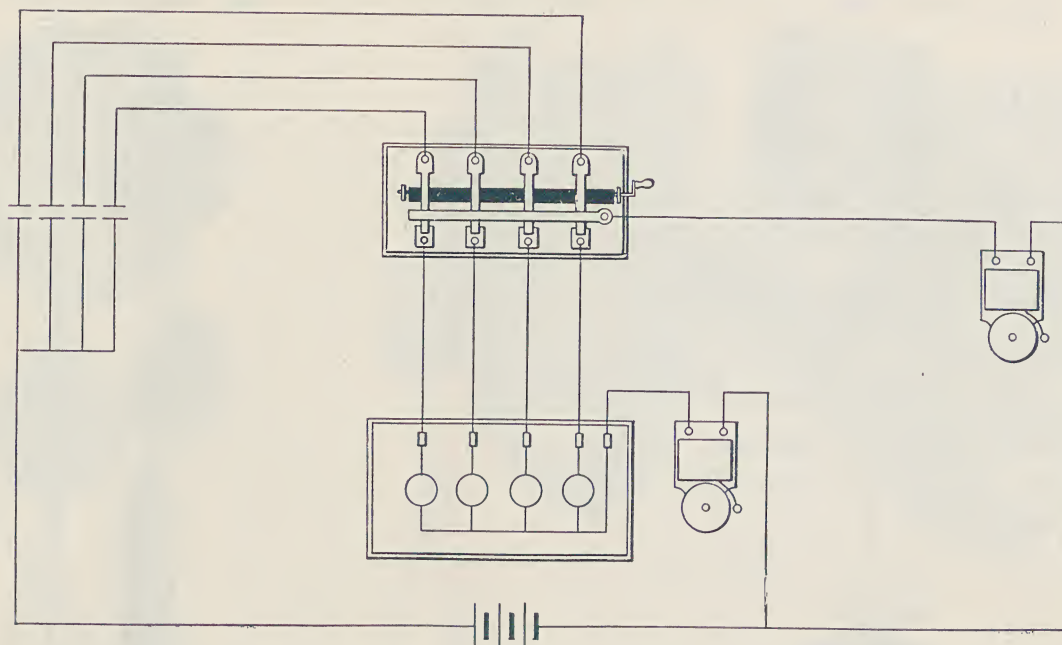
**No. 17. Ordinary House Installation, with Extra Call for Lodge or Stables.**—The attendant at Lodge or Stables can be called from House, and can reply on House Indicator, showing that he is attending call.



**No. 18. Indicator Circuit, with Change-over Switch.**—Where a number of Pushes are required to work on one Indicator during day, or a second Indicator at night, the above Switch **must be used**, as double wiring and an ordinary two-way Switch will not answer, owing to a shunt of current which occurs even when the second Indicator is presumably cut out by the two-way Switch, and which, when it occurs, will drop several of the movements in each Indicator. We show the lever form of Switch in above for diagram purposes.

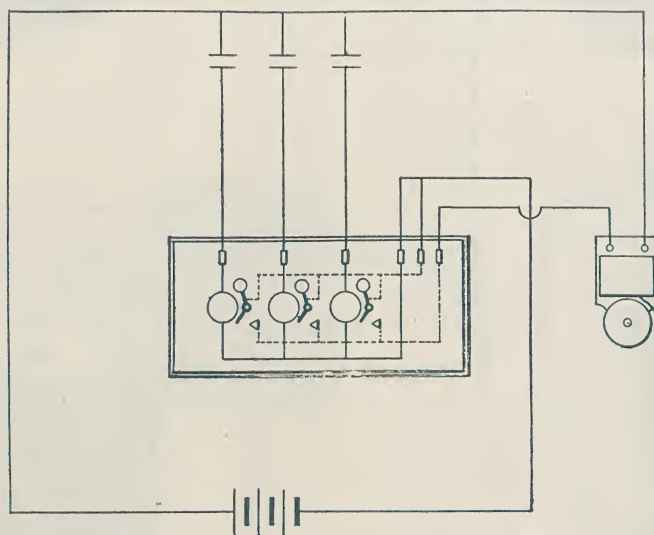


# **DIAGRAMS (continued).**



**No. 19. Indicator Circuit, with Change-over Switch, throwing all Lines to one Common Bell.—**

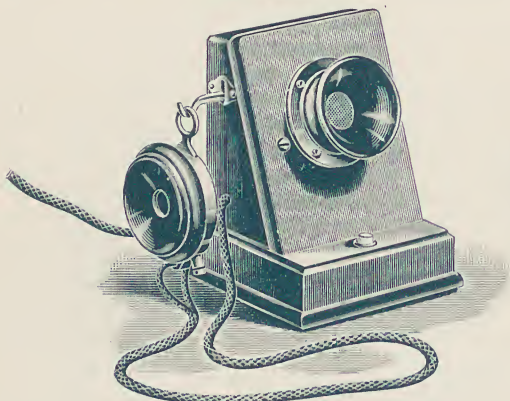
The above system is often required in small Hotels, etc., where only one night attendant is kept, and consequently any call must be made in the place where attendant is stationed. During day the Switch is put over, and the calls are given on the Indicator.



**No. 20. Indicator, with Continuous Relay Contacts.**—The above is the ordinary type of Mechanical Replacement Indicator, but fitted with Continuous Relay Contacts, which, when a call is made, causes the bell to ring until the movement is replaced. If the above is required for an Alarm Indicator, and to ring more than one bell, a second battery for the bells must be used. In this case the connections would differ in respect of the Indicator, which would be connected up in the usual way, and the two right-handed terminals would form a separate circuit between bells and second battery.

**No. 21. Indicator Circuit, with Ordinary Relay Contact.**—The connections for wiring are the same as in Continuous, but the Indicator is fitted with the Relay Contact form of movement, which causes bell to ring only while Push is pressed. It is only necessary to use this form of contact when a large bell is required to ring with an Indicator, as our Indicator movements are wound to ring with bells up to 3-inch gongs.



**DIRECT-WORKING TELEPHONES.****No. 3235.****Direct-Working Table Set.**

In Solid Walnut Box, with Movable Granular Carbon Transmitter, Watch Receiver, Automatic Switch Hook, etc.

Price each.

Ditto, with Induction Coil, price **23/-** each.

**No. 3237.****Patent Hand-Combination.**

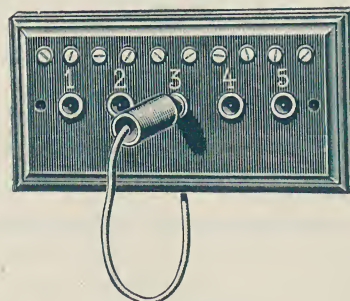
Same as No. 3236, but fitted to a Three-Terminal Solid Walnut Wall Box, with Bell and Automatic Switch.

Price **28/-** each.

**No. 3236.****Patent Portable Hand-Combination.**

For Office or Domestic use. With Ringing and Speaking Keys in Handle, and without Induction Coil. Can be attached to the ordinary Electric Bell Wires in a few minutes.

Price complete, with Cord, Plug, and Round Push, as illustrated, **21/6** each.

**No. 3238.****Plug Board.**

With Cord and Plug, and fitted with special through Connection Springs, for cutting out the Bell and Indicator of any Line in use, and leaving the Indicator and Bell in Circuit for any other Lines wishing to call.

For Five Lines **11/-** each. For Ten Lines **15/-** each.

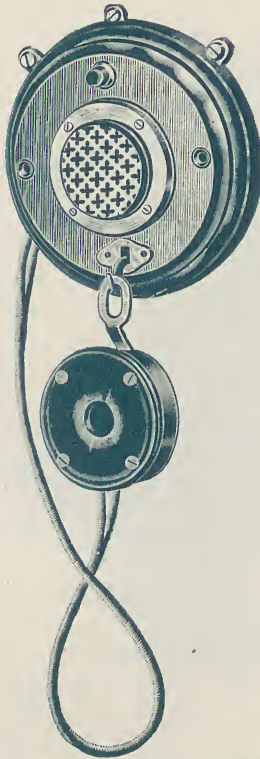
**PLEASE NOTE** that Direct-Working Telephones (without Induction Coils) will not work in conjunction with Induction Coil Instruments.

**Awards for Excellence of Machines and Tools:**



## TELEPHONES.

No. 3239.

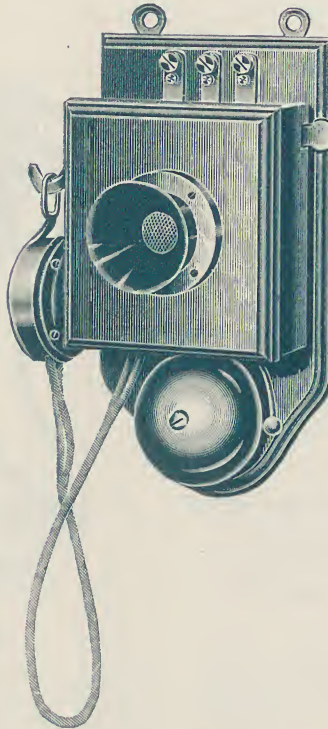


**Direct Working Wall Set.**

In Solid Walnut Box, Movable Granular Transmitter, Watch Receiver, Automatic Switch Hook and Ringing Key, without Induction Coil.

Price 16/6 each.

No. 3240.

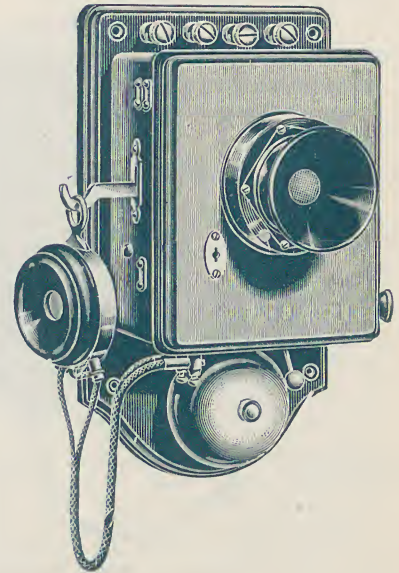


**Direct Working Wall Set.**

In Solid Walnut Box, Movable Transmitter, Watch Receiver, Automatic Switch Hook, Ringing Key and Bell, without Induction Coil.

Price 21/- each.

No. 3241.

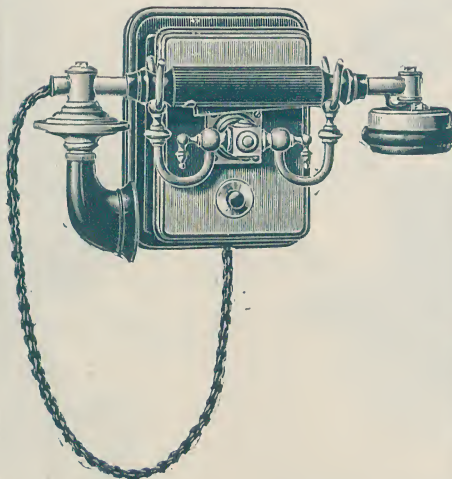


**New Pattern Battery Wall Set.**

In large Solid Walnut Box, with Induction Coil, Patent Transmitter, Automatic Switch Hook, Double-pole Watch Receiver, Ringing Key and Bell, with Bell Metal Gong, all parts Nickel Plated.

Price 32/- each.

No. 3423.

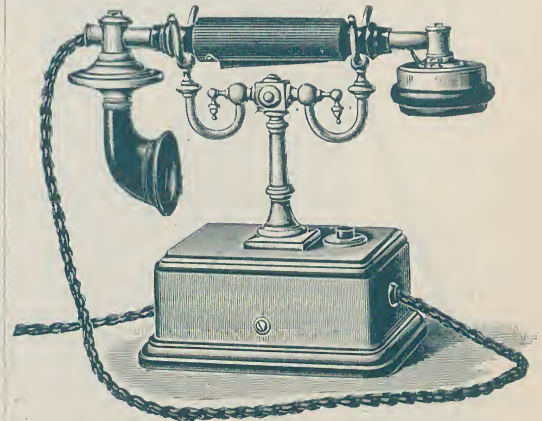


**Battery Wall Telephone.**

In solid Walnut Box, with Induction Coil. New Pattern Hand-Combination on fixed Ornamental Cradle-Buzzer and Ringing Key. All Metal parts Nickel-plated.

Price 48/- each.

No. 3244.



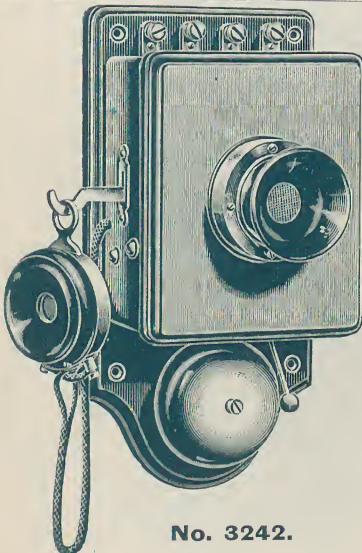
**Patent Combined Table and Wall Battery Telephone.**

In Solid Walnut Box, with Induction Coil, Hand Combination, Adjustable Cradle and Pillar, Buzzer, Ringing Key, Flexible Cord and Rosette.

This Instrument can be converted from a Table Set to a Wall Set, or *vice versa*, in a few minutes.

Price 56/- each.

No. 3242.



**Battery Wall Set.**

In Solid Walnut Box, with Induction Coil, Movable Granular Carbon Transmitter, Double-pole Watch Receiver, Automatic Switch Hook, Ringing Key and Bell.

Price 21/- each.

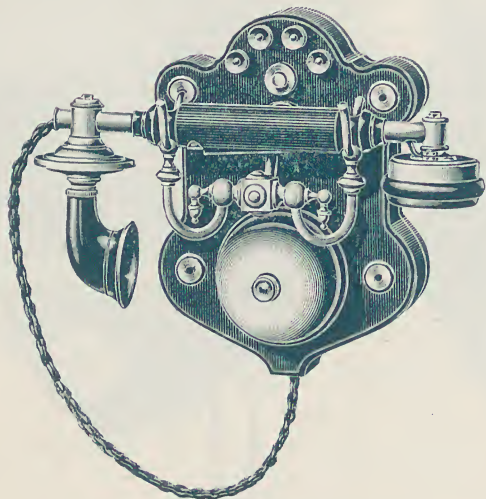
PLEASE NOTE that Direct-Working Telephones (without Induction Coils) will not work in conjunction with Induction Coil Instruments.

Bronze Medal, 1884.—Gold Medal, 1890.



## TELEPHONES.

No. 3245.

**Battery Wall Telephone.**

In selected Solid Walnut Box, with Induction Coil, new pattern Hand Combination on fixed Ornamental Cradle, 3-in. Circular Bell, Ringing Key, and large Brass Milled edge Terminals. Lacquered Brass and Nickel Plated Fittings.

Price **60/-** each.

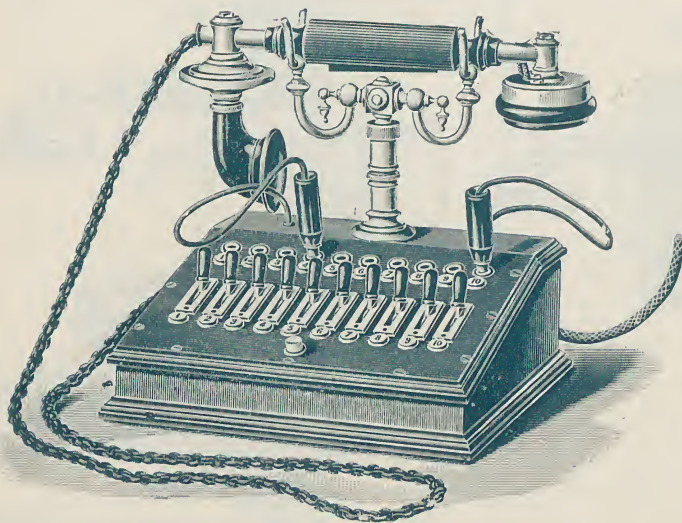
No. 3246.

**Battery Table Telephone.**

Mounted on Solid Walnut Base, with Induction Coil, Hand Combination, Automatic Cradle, Ringing Key and Bell, long Flexible Cord and Connecting Rosette. Lacquered Brass and Nickel Plated Fittings.

Price **70/-** each.

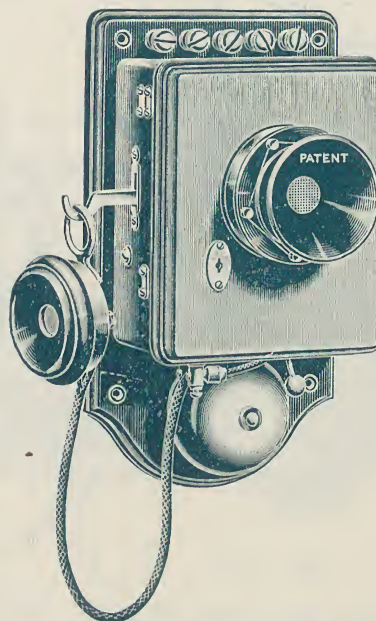
No. 3247.

**New Patent Central Station Automatic Battery Table Telephone** (Reply and Call).

On Solid Walnut Base, with Induction Coil, Hand Combination, Ornamental Cradle, Automatic Replacement Levers, Pair of Through Connection Plugs, Ringing Key, long Flexible Cord, and Connection Box and Buzzer.

For	5	10	15	20	24	30 Lines.
Price	<b>110/-</b>	<b>130/-</b>	<b>150/-</b>	<b>175/-</b>	<b>195/-</b>	<b>216/-</b> each.

No. 3248.

**Patent Automatic Side Station** (Reply and Call).

In Solid Walnut Box with Induction Coil, Patent Transmitter, Double Pole Watch Receiver, Switch Hook, and Fitted with Automatic Device for Changing over the Call Line.

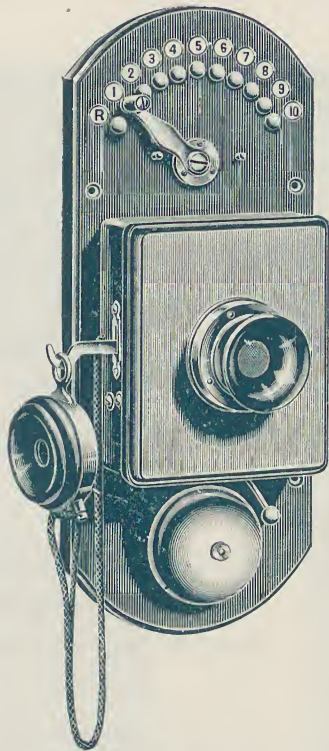
Price **43/-** each.

**Awards for Excellence of Machines and Tools :**



## TELEPHONES.

No. 3249.

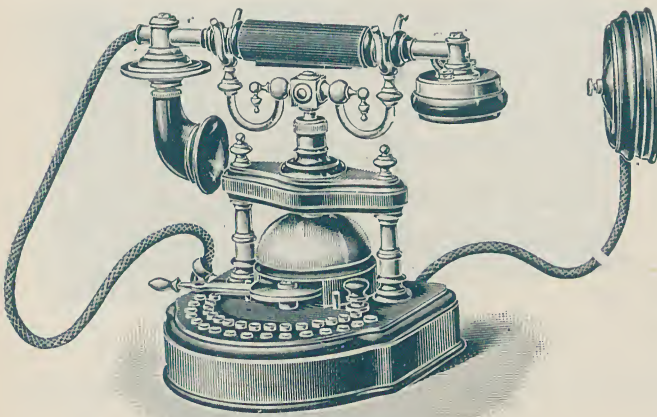


### Inter-Communication Battery Wall Telephone.

In Solid Walnut Box, with Lever Line Selector, Induction Coil, Small Movable Granular Carbon Transmitter, Double Pole Watch Receiver, Automatic Switch Hook, Bell, with Metal Gong. All parts Nickel Plated.

For	5	10	15	Lines.
Price	32/-	34/-	36/-	each.

No. 3251.



### Inter-Communication Battery Table Telephone.

On Solid Walnut Base, with Step by Step Line Selector, Induction Coil, Hand Combination Automatic Switch Cradle, Ringing Key, Circular Bell, two yards Flexible Cord and Multiple Connecting Wall Rosette, Lacquered Brass and Nickel Plated Fittings.

For	5	10	15	20	25	30	Lines.
Price	86/-	93/-	100/-	108/-	117/-	128/-	each.

No. 3250.

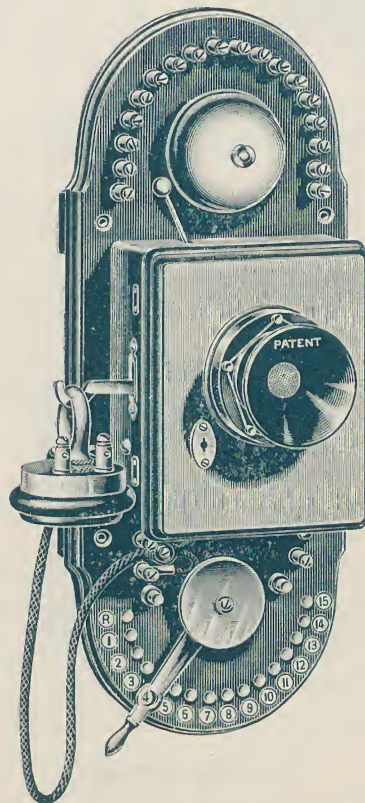


### Inter-Communication Battery Table Telephone.

In Solid Walnut, with Lever Line Selector, Induction Coil, Movable Granular Carbon Transmitter, Double Pole Watch Receiver, Automatic Switch Hook, Ringing Key, Buzzer, two yards Flexible Cord and Multiple Connecting Wall Rosette.

For	5	10	15	Lines.
Price	35/-	40/-	48/-	each.

No. 3251.



### Inter-Communication Battery Wall Telephone.

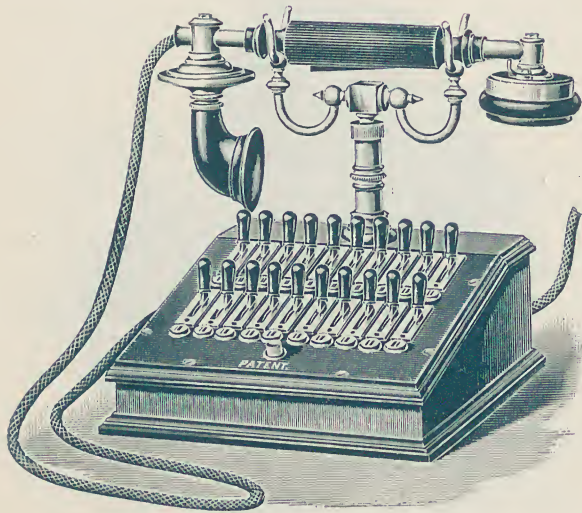
In Solid Walnut, with Induction Coil, Step by Step Line Selector, Patent Transmitter, Double Pole Ring Receiver, Automatic Switch Hook, Ringing Key and Bell.

Price	57/6	each.
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Bronze Medal, 1884. — Gold Medal, 1890.



## TELEPHONES.



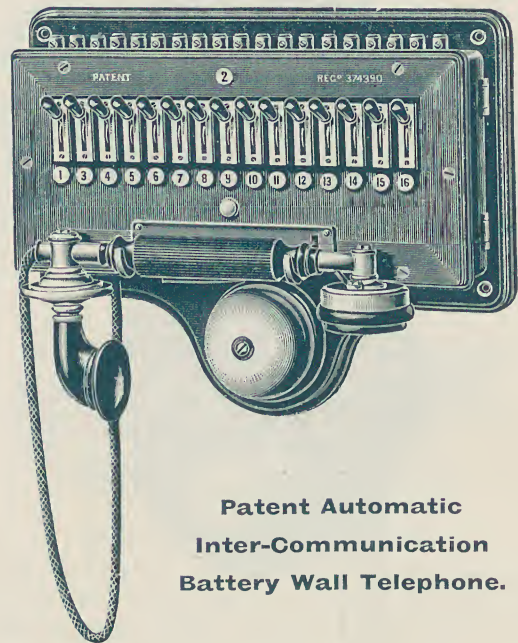
No. 3252.

**Patent Automatic Inter-Communication Battery Table Telephone.**

In Solid Walnut Box with Induction Coil, Hand Combination on Ornamental Cradle, Automatic Replacement Levers, Ringing Key, two yards Flexible Cord, with Connection Box and Buzzer.

For	5	10	15	20	24	30 Lines.
Price	93/-	108/-	125/-	145/-	157/-	179/- each.

No. 3253.



**Patent Automatic Inter-Communication Battery Wall Telephone.**

In Solid Walnut Box with Frame Front, Induction Coil, Hand Combination, Automatic Replacement Levers, Ringing Key and Bell. All parts Nickel Plated.

For	5	10	15	20	24	30 Lines.
Price	73/-	88/-	103/-	118/-	131/-	150/- each.

No. 3254.

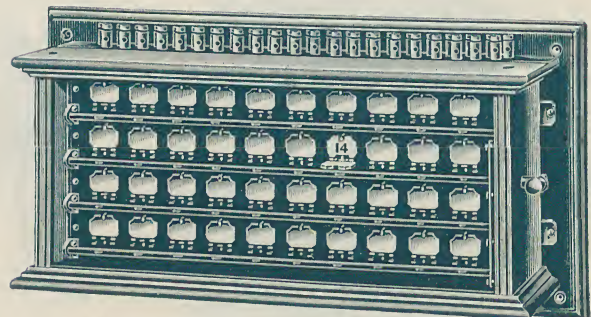


**Fire Alarm Push.**

In Teak Wood Box, with Glass Front with Printed Instruction Card at back of same. Complete with Lock and Key.

Price 8/6 each.

No. 3256.



**Fire Alarm Annunciator.**

In Solid Walnut Case, Bevelled Plate Glass Front, with Mechanical Replacement. For Single Lines only.

For	5	10	15	20 Lines.
Price	115/-	203/-	295/-	380/- each.

And upwards up to 50 Lines at 18/- per Line extra.

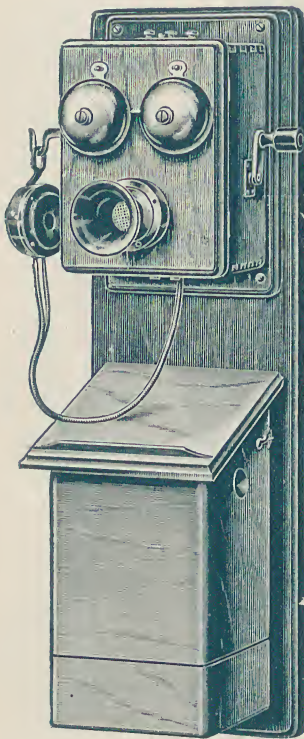
The above Instrument will be found invaluable for Hotels, Hospitals, and other Institutions.

**Awards for Excellence of Machines and Tools:**

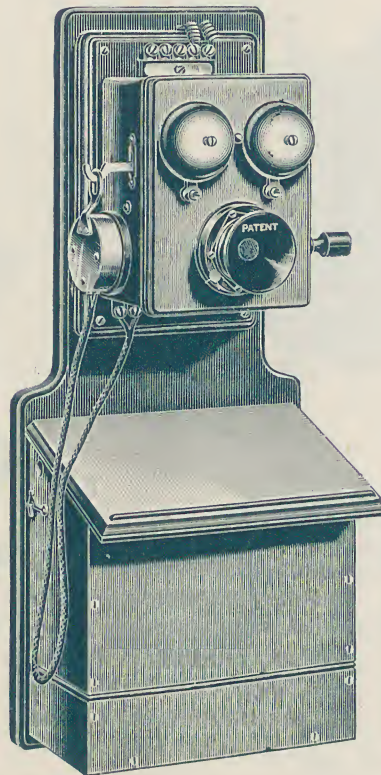


## TELEPHONES.

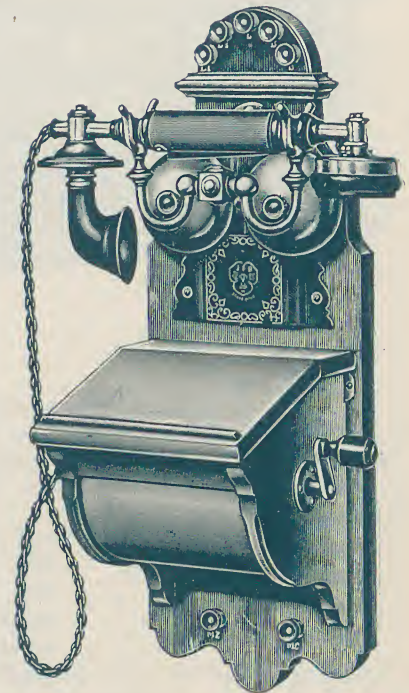
No. 3257.



No. 3258.



No. 3259.



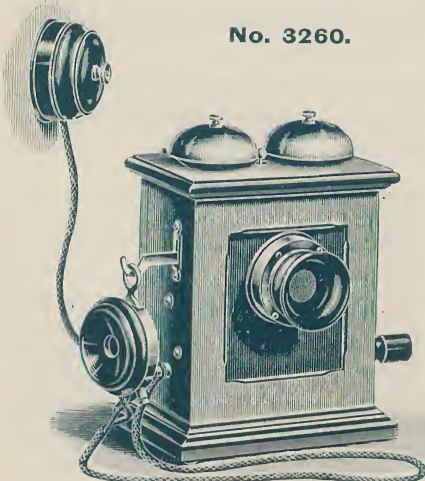
**No. 3257. Magneto Wall Telephone.**—Fitted on Backboard and Battery Box for one No. 2 Leclanché Cell, in Solid Walnut Box, with Induction Coil, Double Magnet Generator, Polarised Bell, with Bell Metal Gongs, Hunning's Granular Carbon Transmitter, Double Pole Watch Receiver, Automatic Switch Hook, and Lightning Arrester. All metal parts Nickel Plated. Suitable for distances up to about ten miles. Price **56/-** each.

**No. 3258. Magneto Wall Telephone.**—In Solid Walnut Box, with Induction Coil, Treble Magnet Generator, Polarised Bell with Bell Metal Gongs, Patent "Stannotype" Transmitter, Hunning's Pattern Double Pole Watch Receiver, and Lightning Arrester. All metal parts Nickel Plated. Suitable for distances up to about forty miles. Price **70/-** each.

**No. 3259. Magneto Wall Telephone.**—In Solid Walnut Box with Desk Front, Induction Coil, Treble Magnet Generator, Hand-Combination on fixed Ornamental Cradle, Polarised Bell, Bell Metal Gongs, Lightning Arrester, and large Brass Milled-edge Terminals. All metal parts Nickel Plated. Suitable for distances up to about forty miles. Price **85/-** each.

## MAGNETO TABLE TELEPHONE.

No. 3260.



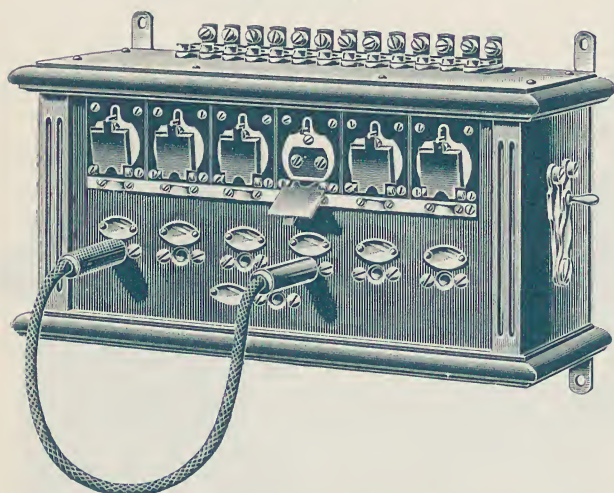
**No. 3260. Magneto Table Telephone.**—In Solid Walnut Case, with Induction Coil, Double Magnet Generator, with small Hunning's Granular Carbon Transmitter, Double-Pole Watch Receiver, Automatic Switch Hook, Polarized Bell with Bell-metal Gongs, long Flexible Cord, Lightning Arrester, and Connecting Rosette. All metal parts Nickel-Plated. Suitable for distances up to about 10 miles. Price **£2 : 12 : 6** each.

Bronze Medal, 1884.—Gold Medal, 1890.



## SWITCH-BOARDS.

No. 3263.

**Telephone Switch-Board.**

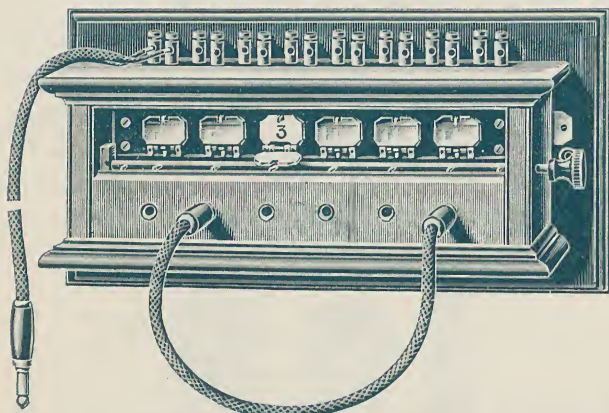
In Solid Walnut, with Local Contacts and Switch, Cords, and Plugs.

NOTE.—No “Ring-off” Drops are necessary, as when two stations are connected together, one of the Annunciators remains in Circuit for indicating the Clearing-out Signal.

		For Single Lines.	For Double Lines.
For 2 Lines	...	28/-	33/-
” 3	”	43/-	51/-
” 4	”	55/6	66/-
” 5	”	66/9	80/-
” 6	”	83/-	99/-

Upwards at per Line to 50 Lines.

No. 3264.

**Telephone Switch-Board.**

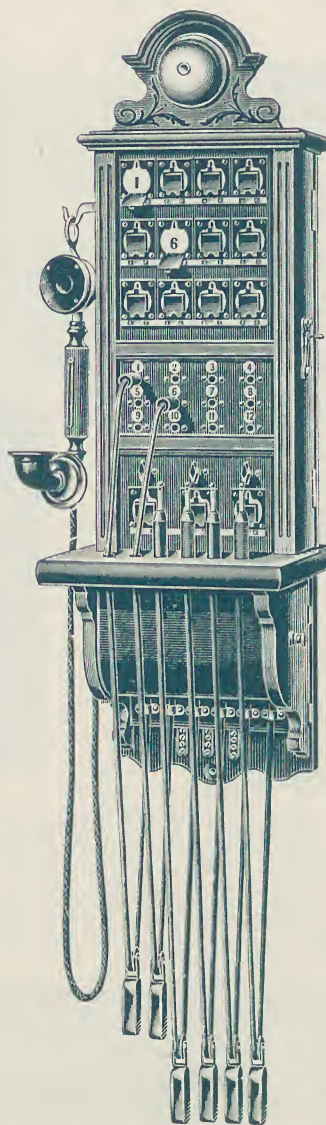
In Solid Walnut, Bevelled Plate Glass Front, Mechanical

Replacement, Local Contacts (Platinum Tipped), Cords and Plugs.  
NOTE.—No “Ring-off” Drops are necessary, as when two stations are connected together, one of the Annunciators remains in Circuit for indicating the Clearing-out Signal.

		For Single Lines.	For Double Lines.
For 2 Lines	...	59/-	69/6
” 3	”	83/-	96/-
” 4	”	101/-	132/-
” 5	”	117/6	135/-
” 6	”	134/6	154/-

Upwards at per Line up to 40 Lines.

No. 3265.

**Central Station Switch-Board for Battery Current.**

In Solid Walnut, with Operators, Hand-Combination, Listening Keys  
Clearing-out Drops, Plugs, Cords and Pulley Weights,  
Ringing Key, Local Bell, and Switch.

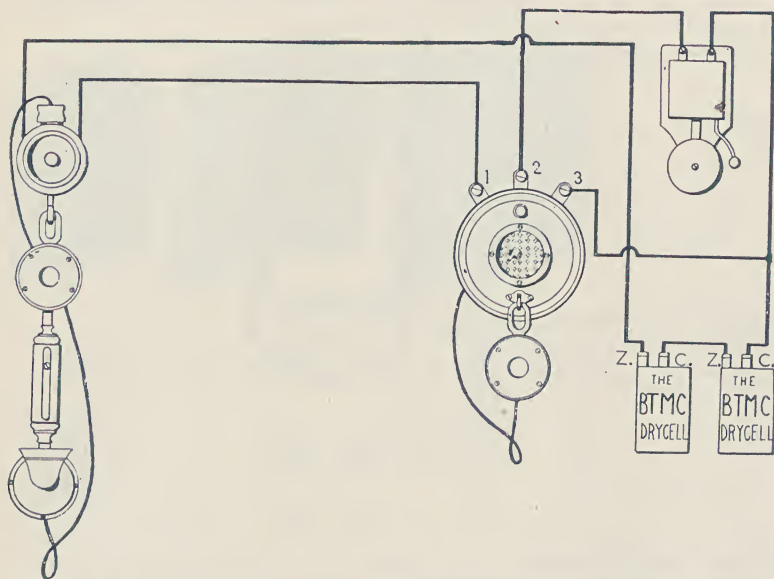
No. of Lines.	No. of Listening Keys, Clearing-out Drops, and Through Communication Cords and Plugs.	Single Line.		Double Line.	
		£	s. d.	£	s. d.
10	3	14	1 : 0	16	5 : 0
12	3	15	5 : 0	18	5 : 0
16	3	18	0 : 0	20	10 : 0
20	4	21	15 : 0	23	15 : 0
25	5	26	10 : 0	30	10 : 0

Further particulars on application, also for same fitted for  
Magneto Current.

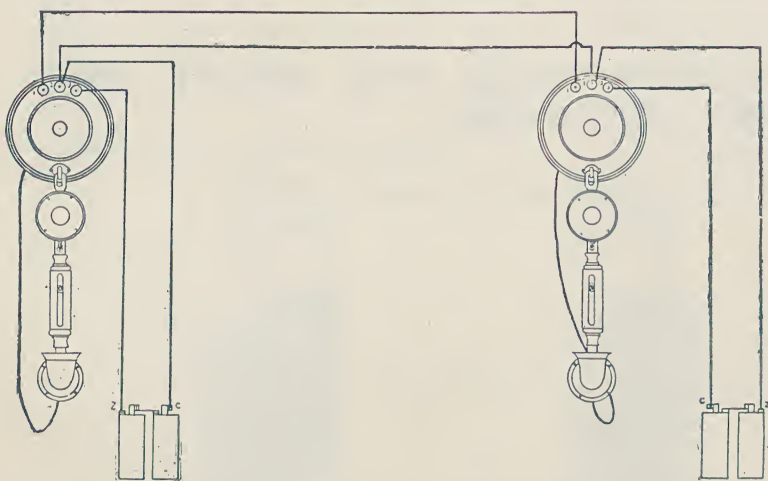
**Awards for Excellence of Machines and Tools :**



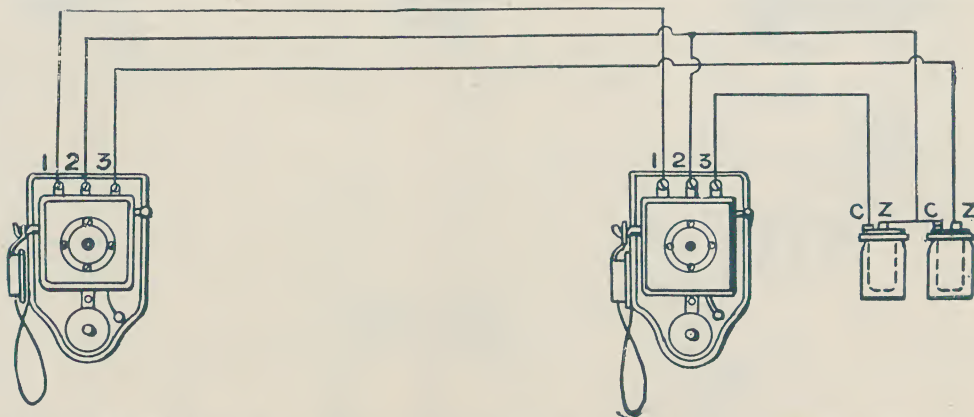
## DIAGRAMS OF CONNECTIONS.



**No. 1. Connections of Nos. 3236 and 3239 Telephones.**—In this case Ringing can only be done from the **No. 3236**, and not *vice versa*. Any number of **No. 3236** Instruments can be added in parallel.



**No. 2. Connections of two No. 3237 Telephones, Ringing and Speaking to each other.**—Care should be taken that the Batteries are connected up exactly as shown.

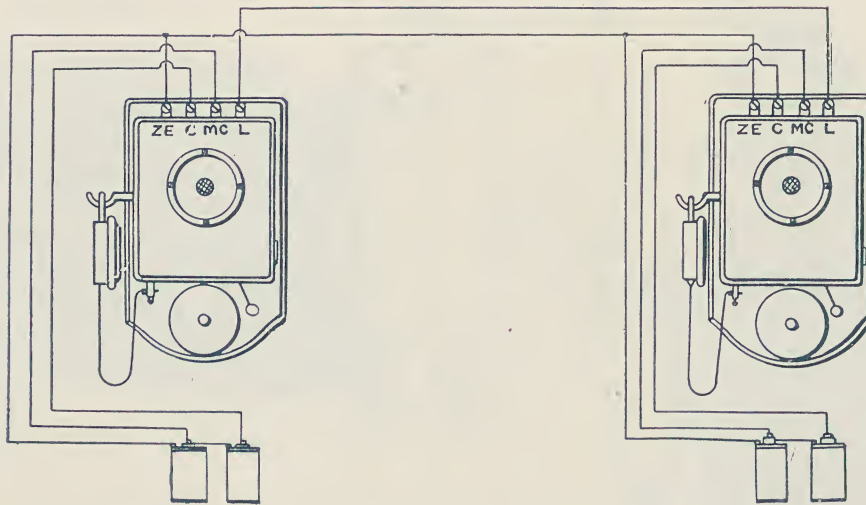


**No. 3. Connections of two No. 3240 Telephones with Battery at one end.**—In this case it will be necessary to run three wires between the Instruments.

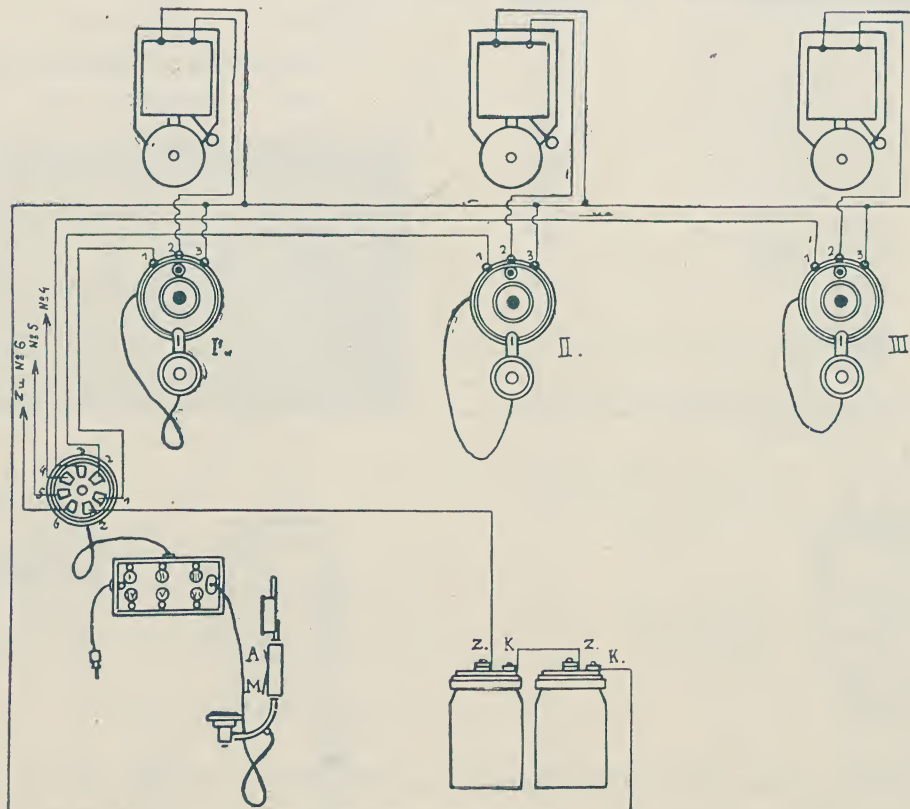
NOTE.—The above Instruments are suitable up to about 200 yards.

Bronze Medal, 1884.—Gold Medal, 1890.



**DIRECT WORKING TELEPHONES.**

**No. 4.**—Connections of two No. 3240-1-2 with Line Selector and Rosette working to any of the three or more stations separately. In this case the central station can call up any of the Telephones, but cannot be called up.

**TELEPHONES WITH INDUCTION COILS FOR SHORT AND MEDIUM DISTANCES.**

**No. 5.**—Connections of three No. 3242 Telephones with separate Ringing and Speaking Batteries.

**Awards for Excellence of Machines and Tools :**

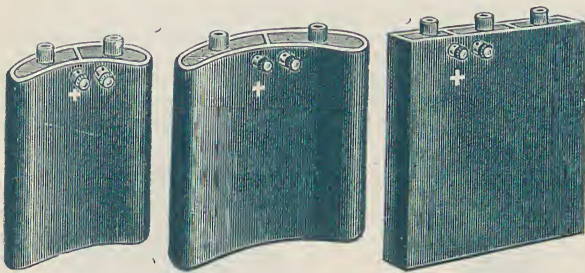


## ACCUMULATORS.

No. 3266.

No. 3267.

No. 3271.



### Pocket Accumulators.

DESCRIPTION.—Made in strong Ebonite Cases of superior quality sealed special Acid-proof Cement, Ebonite Inner Lids, special A type Plates made for us. Skilled labour only employed. Every Battery Guaranteed. Unequalled for Lightness, High Capacity, Durability.

### CAPACITY AND DURABILITY GUARANTEED. CURVED PATTERN.

List No.	Length.	Breadth.	Height.	Volts.	Capacity in Ampere. Hours.	Hours Burning H.E. Lamp.	Weight in Ounces.	Charging Current should never exceed	Remarks.	Price.
<b>3266</b>	2 $\frac{1}{8}$	x	1 $\frac{5}{8}$	x	4	2 $\frac{5}{8}$	5—7	12 $\frac{1}{4}$	'4	7/6
<b>*3267</b>	2 $\frac{1}{8}$	x	1 $\frac{5}{8}$	x	4	2 $\frac{5}{8}$	5—7	10 $\frac{1}{2}$	'4	7/6
<b>3268</b>	3 $\frac{3}{4}$	x	1	x	4	4	10—12	21	'6	9/-
<b>3269</b>	3 $\frac{3}{4}$	x	1	x	5	5	14—16	25	'75	10/6
<b>3270</b>	4 $\frac{1}{8}$	x	1 $\frac{1}{2}$	x	6	3	8—9	21	'4	14/-

### RECTANGULAR PATTERN.

<b>3271</b>	3	x	1 $\frac{1}{2}$	x	4	4	3.5	5—7	—	'5	7/6
<b>3272</b>	2	x	1 $\frac{1}{8}$	x	4	4	4	10—12	19	'5	9/6
<b>3273</b>	4 $\frac{1}{8}$	x	1 $\frac{1}{8}$	x	4 $\frac{1}{2}$	4	5	14—16	24	'6	10/6
<b>3274</b>	3 $\frac{1}{2}$	x	2 $\frac{1}{2}$	x	5 $\frac{1}{4}$	4	8	24	48	1'0	16/6
<b>3275</b>	4	x	1 $\frac{1}{2}$	x	4 $\frac{1}{2}$	6	3	7—8	19	'4	13/6
<b>3276</b>	4 $\frac{1}{8}$	x	1 $\frac{1}{8}$	x	4 $\frac{1}{2}$	8	5	14—16	48	'6	21/-
<b>3277</b>	4	x	1 $\frac{1}{8}$	x	4 $\frac{1}{2}$	12	3	7—8	39	'4	27/-

\*3267—With Transparent Celluloid Case.

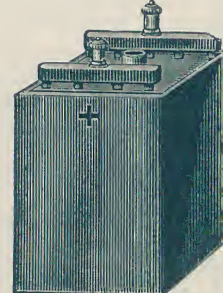
Any of the above sizes can be made with Celluloid Cases at same price.

### TWO-VOLT ACCUMULATORS. In Ebonite Cells (Sealed).

No. 3280.

No. 3283.

No. 3285.



List No.	Size.			Capacity in Ampere. Hours.	Charging Current should not exceed.	Weight.	Remarks.	Price.	
	Length.	Breadth.	Height.						
3278	2	x	1 <sup>1</sup> / <sub>8</sub>	x	4	4	5	9 oz.	5/-
3279	4	x	1 <sup>1</sup> / <sub>8</sub>	x	5	8	1'5	1 <sup>3</sup> / <sub>4</sub> lb.	8/-
3280	3 <sup>1</sup> / <sub>8</sub>	x	1 <sup>1</sup> / <sub>8</sub>	x	6	8	1'5	1 <sup>1</sup> / <sub>2</sub> "	8/-
3281	4 <sup>1</sup> / <sub>2</sub>	x	1	x	6 <sup>1</sup> / <sub>2</sub>	10	1'5	2 <sup>3</sup> / <sub>4</sub> "	10/6
3282	4	x	1 <sup>3</sup> / <sub>4</sub>	x	5	18	3'0	2 <sup>3</sup> / <sub>4</sub> "	12/6
3283	4 <sup>1</sup> / <sub>2</sub>	x	2	x	6 <sup>1</sup> / <sub>2</sub>	20	4'0	4 "	14/6
3284	4 <sup>1</sup> / <sub>2</sub>	x	2 <sup>3</sup> / <sub>4</sub>	x	6 <sup>1</sup> / <sub>2</sub>	30	6'0	7 "	16/-
3285	4 <sup>1</sup> / <sub>2</sub>	x	4	x	6 <sup>1</sup> / <sub>2</sub>	30	10'0	11 "	22/6

### STANDARD TYPE. (S Type.)

List No.	Size.				Capacity in Ampere. Hours.	Charge and Discharge Rate.	No. of Plates.	Weight complete.	Remarks.	Prices.
	Length.	Breadth.	Height.							
<b>3286</b>	4 $\frac{1}{2}$	x	1 $\frac{1}{8}$	x	6 $\frac{1}{2}$	10	1'5	3	2 lb. 12 oz.	<b>8/-</b>
<b>3287</b>	4 $\frac{1}{2}$	x	2	x	6 $\frac{1}{2}$	20	3'0	5	4 "	<b>10/6</b>
<b>3288</b>	4 $\frac{1}{2}$	x	2 $\frac{3}{4}$	x	6 $\frac{1}{2}$	30	4'5	7	6 " 12 "	<b>13/6</b>
<b>3289</b>	4 $\frac{1}{2}$	x	4	x	6 $\frac{1}{2}$	50	7'5	11	10 " 8 "	<b>17/6</b>
<b>3290</b>	5 $\frac{3}{4}$	x	4 $\frac{1}{2}$	x	6 $\frac{1}{2}$	70	10'5	15	13 " 12 "	<b>22/6</b>
<b>3291</b>	8	x	4 $\frac{1}{2}$	x	6 $\frac{1}{2}$	100	15'0	21	17 "	<b>25/-</b>
<b>3292</b>	9	x	4 $\frac{3}{4}$	x	7	110	16'5	23	25 "	<b>26/-</b>

Bronze Medal, 1884.—Gold Medal, 1890.







## ELECTRIC CYCLE LAMPS.

Unaffected by Vibration.

These sets comprise a Small Accumulator in a Brown or Black Leather Case, a Bull's-eye Lantern, 2 in. diameter, which is fastened to the lamp bracket by means of an adjustable metal clip. The battery is fastened to the straight bar on the gentlemen's, and to the handle bar on the ladies' machines. The lantern is highly finished and silver plated, and presents a very neat appearance.

No. 3306.

CANNOT BE BLOWN OR JOLTED OUT.

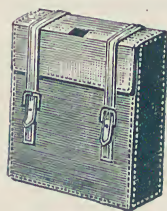
NO SMELL OR SMOKE.

A BRILLIANT LIGHT.

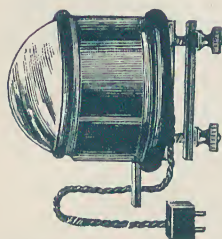
NO MATCHES REQUIRED.

EASILY TURNED ON AND OFF.

PRICES OF COMPLETE SETS.



No. 3296.



List No. and Type.	Volts.	No. of Hours' Light with One Charge.	Approx. Candle Power of Reflected Light.	Remarks.	Price.
<b>3314</b> Curved.	4	5-7	2 $\frac{1}{2}$	These Prices include Nickel Plated Bull's-eye Lantern No. 3296, with Special Clip, and best quality Leather Case.	<b>17/6</b>
<b>3315</b> "	4	10-120	2 $\frac{1}{2}$		<b>21/6</b>
<b>3316</b> "	4	14-16	2 $\frac{1}{2}$		<b>22/6</b>
<b>3317</b> Rect.	4	10-12	2 $\frac{1}{2}$		<b>21/6</b>
<b>3318</b> "	4	14-16	2 $\frac{1}{2}$		<b>22/6</b>
<b>3319</b> "	4	24-25	2 $\frac{1}{2}$		<b>30/-</b>
<b>3320</b> "	6	7-8	5		<b>25/6</b>
<b>3321</b> "	8	12-14	7		<b>32/6</b>
<b>3322</b> "	12	7-8	10		<b>39/-</b>

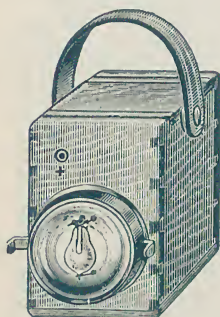
The curved cells are recommended when they are required for pocket use as well as cycling.

Other type lanterns can be used, see list of Accessories.

Cycle sets, other than those mentioned above, can be made up at short notice. Send full particulars for prices.

## PORTABLE LAMPS.

No. 3326.



With 3 in. Lantern.

These Lamps consist of Ebonite Cased Accumulators sealed into polished Hard Wood Boxes. They are made in two patterns, viz., F, with fixed Lanterns, for mines, gasworks, gunpowder mills, tank steamers, etc., etc.; and D, with detachable Lanterns, for travelling and photographic work (for which purpose we supply a ruby cap). They are also the ideal light for reading in bed, both for their safety and also the convenience of having the light in whatever position it is required.

The practical utility of these Lamps has been proved, and they are now in use in many places where other lamps cannot be used. There is no difficulty in getting them re-charged in almost any part of the country.

The Two-Light Sets are a Speciality, and have several advantages over the other types—viz., the light can be doubled if required for a shorter period, and failure of light through breakage of lamp reduced to a minimum. One switch controls both lamps, which can be used singly or together.

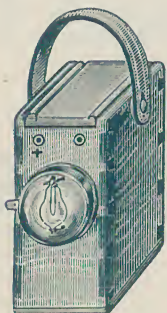
All the Accumulators in these Lamps are fitted with our Special A type Plates.

Portable Lamps of 7 Ampere hours and over can be fitted with our Special 2-light Reflector for an extra cost of 7/6.

Lanterns for use with D type Batteries are supplied with 36 inches of Flexible Cord, but any length can be supplied at -/6 per yard extra.

No. 3323.

D PATTERN.



With 2 in. Lantern.

List No.	Sizes.			Volts.	Capa- city.	Hours B'n'g H.E. Lamp.	C.P. Re- flected. only.	Type D. Price Battery only.	Diam. of Lantern. in.	Type F. Price.
	Lgth.	Bdth.	Hght.							
<b>3323</b>	2 $\frac{3}{4}$	x	2 $\frac{3}{4}$ x 5 $\frac{1}{2}$	4	4	10	2 $\frac{1}{2}$	<b>19 -</b>	2	<b>26/6</b>
<b>3324</b>	4	x	2 $\frac{1}{2}$ x 7	4	7	15	2 $\frac{1}{2}$	<b>26/-</b>	2	<b>33/6</b>
<b>3325</b>	5 $\frac{1}{2}$	x	4 $\frac{1}{4}$ x 7	4	18	40	2 $\frac{1}{2}$	<b>37/6</b>	3	<b>50/-</b>
<b>3326</b>	3 $\frac{5}{8}$	x	2 $\frac{3}{4}$ x 5 $\frac{1}{2}$	6	4	10	4	<b>36/-</b>	2	<b>33/6</b>
<b>3327</b>	4	x	3 $\frac{3}{4}$ x 7	6	7	15	4	<b>34/-</b>	3	<b>45/6</b>
<b>3328</b>	4 $\frac{1}{2}$	x	2 $\frac{3}{4}$ x 5 $\frac{1}{2}$	8	4	10	6	<b>31/-</b>	2	<b>38/6</b>
<b>3329</b>	4 $\frac{1}{8}$	x	4 x 7	8	7	15*	6	<b>42/-</b>	3	<b>54/6</b>
<b>3330</b>	5	x	2 $\frac{3}{4}$ x 5 $\frac{1}{2}$	12	3	7	10	<b>39/-</b>	2	<b>46/6</b>
<b>3331</b>	6	x	2 $\frac{3}{4}$ x 5 $\frac{1}{2}$	12	4	10	10	<b>41/-</b>	3	<b>54/-</b>

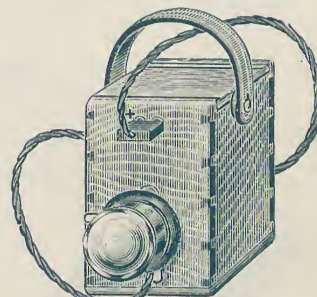
Any of the Detachable Lanterns on page 12 can be used with these Sets.

2 in. Lanterns in place of 3 in., 5/- less; *vice versa*, add 5/-

3 in. Bull's-eyes, 1/6 extra.

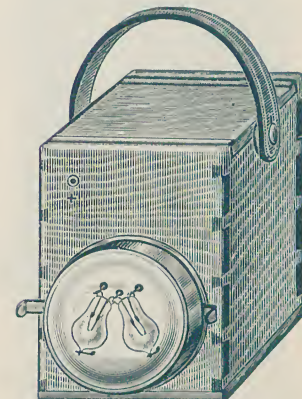
N.B.—Any Size or Design made to order for any requirement.

No. 3326 and No. 3296  
Lantern.



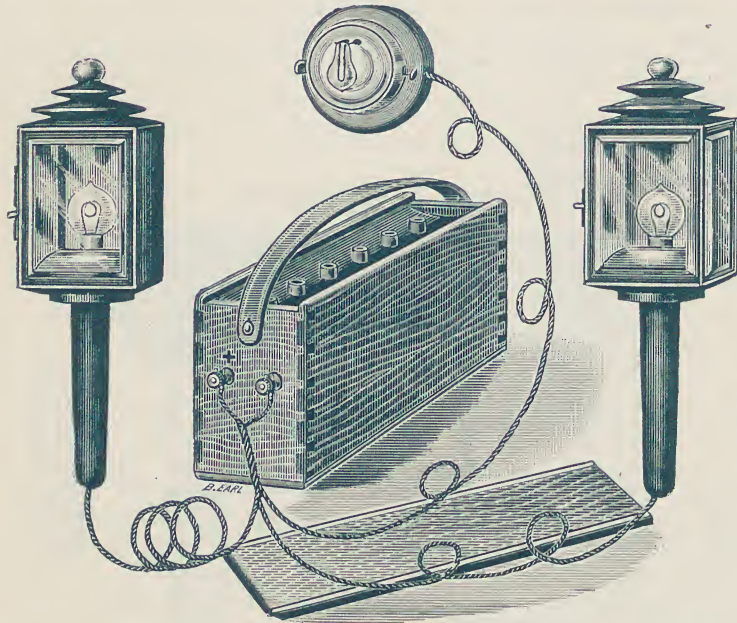
No. 3323.

F PATTERN.



Bronze Medal, 1884.—Gold Medal, 1890.



**CARRIAGE LIGHTING.**

The advantages of lighting of all kinds of vehicles by means of Electricity are obvious; it can be adapted to light the Interior, Exterior, and even the Heads of the Horses. The Illustration shows a complete set for lighting a Brougham, and is capable of maintaining two outside and one inside lamp of 5 C.P. each, for 12 hours.

List No.	Volts.	Ampere Hours.		Length.	Breadth.	Height.	Price.
<b>3334</b>	8	7	2 lights for 8 hours	4 $\frac{1}{2}$	4	7	<b>42/-</b>
<b>3335</b>	12	7	1 light " 16 "	6	4	7	<b>60/-</b>
<b>3336</b>	8	20	3 lights " 12 "	9 $\frac{1}{2}$	4	7	<b>65/6</b>
<b>3337</b>	12	20	2 " " 18 "	13 $\frac{1}{2}$	4	7	<b>95/6</b>

By increasing the voltage you can increase the light for the same number of lamp hours' run.

- No. 3334.** Hollow Glass Ceiling Light, for Interior lighting, mounted on polished Mahogany Base, 4 $\frac{1}{2}$  in. diameter, complete with Switch, Lamp, and 3 yards of Flexible Cord ... .. **16/6**
- Bull's Eye Lantern for Illuminating the Horse's Head, Switch Lamp, and 4 yards Flexible Cord ... .. **12/6**
- 2 N.P. Holders, Switch, 4 yards Flexible Cord, 2 S.B.C. Lamps for fitting up outside lamps (can be fixed in a few minutes) ... **8/6**
- Outside Lamps, wired complete ... .. per pair from **42/-**

**No. 3338.****STANDARD TYPE ACCUMULATORS.**

**In Teak Boxes (Sealed and Unsealed).**

Fitted with Ebonite Inner Cells, two wing nut terminals and leather handle.

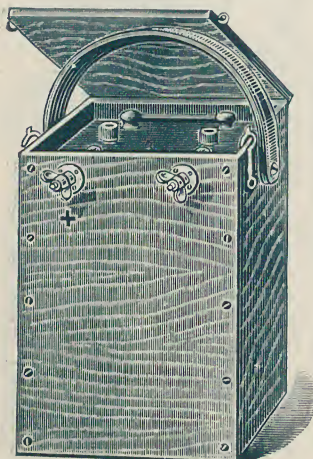
Suitable for **Medical Work, X Rays, Driving Motors, Fans, etc.**, and all purposes where portative electricity is required.

BOXES 9 INCHES HIGH.

**4 VOLT SETS.**

Height in all cases 9 inches.

**6 VOLT SETS.**



**No. 6 Sealed.**

List No.	Size. Length. Breadth.	Capacity.	Charge and Discharge rate.	Price Unsealed.	Price Sealed.	List No.	Size. Length. Breadth.	Capacity.	Charge and Discharge rate.	Price Unsealed.	Price Sealed.
<b>1</b>	3 $\frac{1}{2}$ x 5 $\frac{3}{4}$	10	1'5	<b>26/-</b>	<b>30/-</b>	<b>11</b>	4 $\frac{3}{4}$ x 5 $\frac{3}{4}$	10	1'5	<b>36/-</b>	<b>42/-</b>
<b>2</b>	5 x 5 $\frac{3}{4}$	20	3	<b>32/6</b>	<b>35/6</b>	<b>12</b>	7 x 5 $\frac{3}{4}$	20	3	<b>42/-</b>	<b>49/-</b>
<b>3</b>	6 $\frac{3}{4}$ x 5 $\frac{3}{4}$	30	4'5	<b>40/-</b>	<b>45/6</b>	<b>13</b>	9 $\frac{1}{2}$ x 5 $\frac{3}{4}$	30	4'5	<b>54/-</b>	<b>62/-</b>
<b>4</b>	9 $\frac{1}{2}$ x 5 $\frac{3}{4}$	50	7'5	<b>52/6</b>	<b>60/-</b>	<b>14</b>	13 $\frac{1}{2}$ x 5 $\frac{3}{4}$	50	7'5	<b>70/-</b>	<b>80/-</b>
<b>5</b>	12 x 5 $\frac{3}{4}$	70	10'5	<b>67/6</b>	<b>73/6</b>	<b>15</b>	17 $\frac{1}{2}$ x 5 $\frac{3}{4}$	70	10'5	<b>90/-</b>	<b>101/-</b>
<b>6</b>	17 x 5 $\frac{3}{4}$	100	16'5	<b>75/-</b>	<b>84/-</b>	<b>16</b>	25 x 5 $\frac{3}{4}$	100	16'5	<b>100/-</b>	<b>112/-</b>

**8 VOLT SETS.****12 VOLT SETS.**

<b>7</b>	4 $\frac{3}{4}$ x 5 $\frac{3}{4}$	10	1'5	<b>45/-</b>	<b>53/-</b>	<b>17</b>	7 $\frac{1}{4}$ x 5 $\frac{3}{4}$	10	1'5	<b>54/-</b>	<b>66/-</b>
<b>8</b>	9 x 5 $\frac{3}{4}$	20	3	<b>52/6</b>	<b>61/-</b>	<b>18</b>	13 x 5 $\frac{3}{4}$	20	3	<b>72/6</b>	<b>92/-</b>
<b>9</b>	12 $\frac{1}{4}$ x 5 $\frac{3}{4}$	30	4'5	<b>67/6</b>	<b>77/6</b>	<b>19</b>	17 $\frac{3}{4}$ x 5 $\frac{3}{4}$	30	4'5	<b>94/6</b>	<b>118/-</b>
<b>10</b>	17 $\frac{1}{4}$ x 5 $\frac{3}{4}$	50	7'5	<b>87/6</b>	<b>99/6</b>	<b>20</b>	25 x 5 $\frac{3}{4}$	50	7'5	<b>125/6</b>	<b>149/-</b>

The number of Plates per cell are the same as the S type on page 285.

The Larger Sizes are not listed in the higher voltages as two or more sets will be found more convenient for portability.

We advise Sealed Batteries to be used if they are likely to receive much handling.

Price of Celluloid Cases in place of Ebonite 10 per cent. higher. Any Size made to order.

**Awards for Excellence of Machines and Tools :**



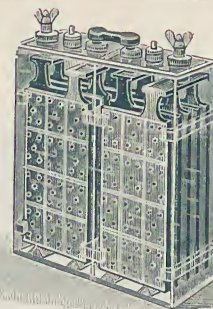
## ACCUMULATORS FOR ELECTRIC IGNITION.

This List cancels all previous lists and quotations.

These Accumulators will be found in every way satisfactory for Ignition purposes—they are working under conditions where others have completely failed. If others carry you 100 miles, ours will carry you 150. They are **reliable**.

NOTE.—Accumulators made to order to any dimension and capacity. Satisfaction guaranteed.

Special attention is directed to those in Ebonite Cases. Two of either will fit into a De Dion case, thus one can be charged while the other is in use, and a spare battery is available.



### ACCUMULATORS IN CELLULOID CASES FOR BICYCLES.

List No.	Size.				Volts.	Capacity in Ampere Hours.	Price.
	Length.		Breadth.	Height.			
<b>3339</b>	4 $\frac{3}{8}$	x	4	x	6 $\frac{1}{2}$	12	<b>24/-</b>
<b>3340</b>	6	x	2	x	6 $\frac{1}{2}$	20	<b>25/-</b>
<b>3341</b>	8 $\frac{3}{4}$	x	1 $\frac{7}{8}$	x	6 $\frac{1}{2}$	25	<b>34/-</b>
<b>3342</b>	8 $\frac{3}{4}$	x	2 $\frac{3}{4}$	x	6 $\frac{1}{2}$	40	<b>40/-</b>

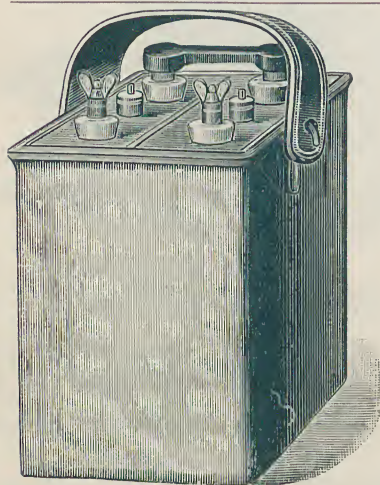
### TWO VOLT SERIES IN CELLULOID CASES.

<b>3343</b>	4 $\frac{3}{8}$	x	2	x	6 $\frac{1}{2}$	2	25	<b>17/6</b>
<b>3344</b>	4 $\frac{3}{8}$	x	2 $\frac{3}{4}$	x	6 $\frac{1}{2}$	2	40	<b>21/-</b>
<b>3345</b>	4 $\frac{3}{8}$	x	4	x	6 $\frac{1}{2}$	2	60	<b>28/-</b>

### ACCUMULATORS IN EBONITE CASES.

<b>3346</b>	5 $\frac{3}{4}$	x	1 $\frac{3}{4}$	x	5 $\frac{1}{2}$	4	15	<b>18/6</b>
<b>3347</b>	7 $\frac{1}{2}$	x	1 $\frac{3}{4}$	x	5 $\frac{1}{2}$	4	18	<b>21/-</b>

The above Prices do not include Metal Cases.



### FOR LIGHT AND HEAVY CARS, IN CELLULOID.

Enclosed in Japanned Metal Cases, with Leather Handles.

### Electric Lanterns for Inspecting Machinery 12/6 each.

List No.	Size.				Volts.	Capacity in Ampere Hours.	Price.	
	Length.	Breadth.	Height.					
<b>3348</b>	4 $\frac{3}{8}$	×	4	×	7 $\frac{1}{4}$	4	25	<b>36/-</b>
<b>3349</b>	5 $\frac{1}{2}$	×	4 $\frac{3}{8}$	×	7 $\frac{1}{4}$	4	40	<b>40/-</b>
<b>3350</b>	8	×	4 $\frac{3}{8}$	×	7 $\frac{1}{4}$	4	60	<b>52/6</b>

The above Prices include the Metal Case.

### SEALED ACCUMULATORS.

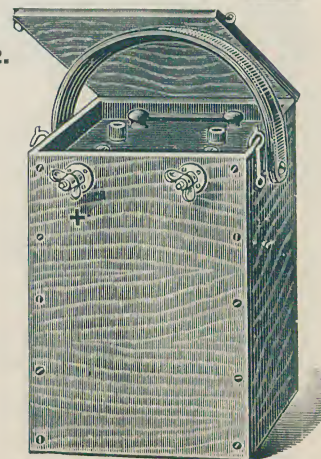
In Polished Hard Wood Boxes, Brass Terminals, and Leather Handles.

Specially made for Large Cars, Oil Engines, etc.

List No.	Size.			Volts.	Capacity in Ampere Hours.	Price.		
	Length.	Breadth.	Height.					
<b>3351</b>	5 $\frac{3}{4}$	×	5 $\frac{1}{2}$	×	8	4	25	<b>38/-</b>
<b>3352</b>	7	×	5 $\frac{1}{4}$	×	8	4	40	<b>44/-</b>
<b>3353</b>	9 $\frac{1}{4}$	×	5 $\frac{1}{2}$	×	8	4	60	<b>55/-</b>

Larger Sizes on Application.

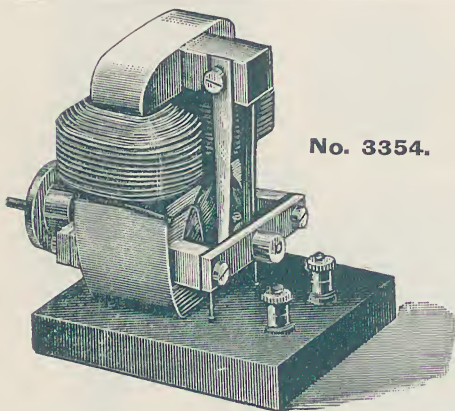
No.  
**3352.**



Bronze Medal, 1884. - Gold Medal, 1890.



## MOTORS FOR WORKING FANS, BOATS, Etc.



No. 3354.

**No. 3354** Represents a small Motor for driving Model Boats. It is very powerful for its size, is self-starting, and will drive a 4-foot boat. It will run from two dry cells, but one of our 4 volt Accumulators gives a better result, and does not take so much space.

Fitted with special Clutch for connecting to Propeller.

Price **12/6** Castings, **3/9**

With Drum Armature, to order only, price **15/6**

**No. 3355.** Extra powerful inverted Motor, fitted with Drum Armature, 8 volts, 2—3 amperes, designed to fit in bottom of boat.

Price **35/-**

Castings and Stampings, **15/6**

No. 3356.

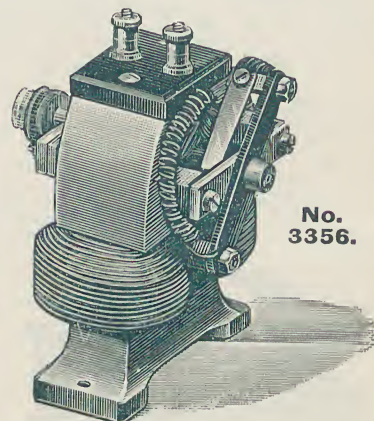
Is a small upright Motor for small Fans, etc. Self-starting, two-speed Pulley. Works well with two dry Batteries or No. 307 Accumulator. This Motor is supplied with fixed Brushes.

Price **12/6**

Castings, **3/9**

Fans, **1/-** each extra.

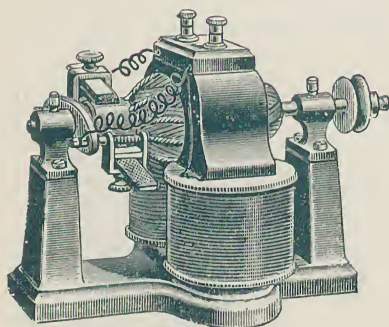
With Drum Armature, to order only, price **15/6**



No. 3356.

## DYNAMOS AND MOTORS.

For Lighting, Plating, and Storing.



**No. 3357.** 10 volts, 3 amps, Lam. H., **£1 : 7 : 6** ... .. Drum, **£1 : 15 : 0**  
 „ **3358.** 20 „ 3 „ „ H. **2 : 9 : 0** ... .. „ **2 : 15 : 0**  
 „ **3359.** 30 „ 3 „ „ H. ... .. „ **3 : 18 : 6**

The Machines tabulated below are similar in design to the above illustration. All fitted parts are machined, tunnel accurately bored, split gunmetal bearings, 20 per cent. over load without undue heating.

List No.	Volts.	Amperes.	Speed.	Price.	List No.	Volts.	Amperes.	Speed.	Price.
<b>3360</b>	30	4.5	2000	<b>£4 : 10 : 0</b>	<b>3362</b>	50	13	1700	<b>£12 : 0 : 0</b>
<b>3360 b</b>	50	5	2000	<b>5 : 15 : 0</b>	<b>3362 b</b>	100	10	1600	<b>19 : 10 : 0</b>
<b>3361</b>	50	7.5	2000	<b>7 : 10 : 0</b>	<b>3363</b>	100	13	1500	<b>21 : 0 : 0</b>
<b>3361 b</b>	50	10	1800	<b>10 : 10 : 0</b>	<b>3363 b</b>	100	16	1500	<b>25 : 0 : 0</b>

All the above Machines are fitted with Drum Armatures. Fly-wheels for use with Gas Engines, extra.

Slide Rails from **20/-** upwards.

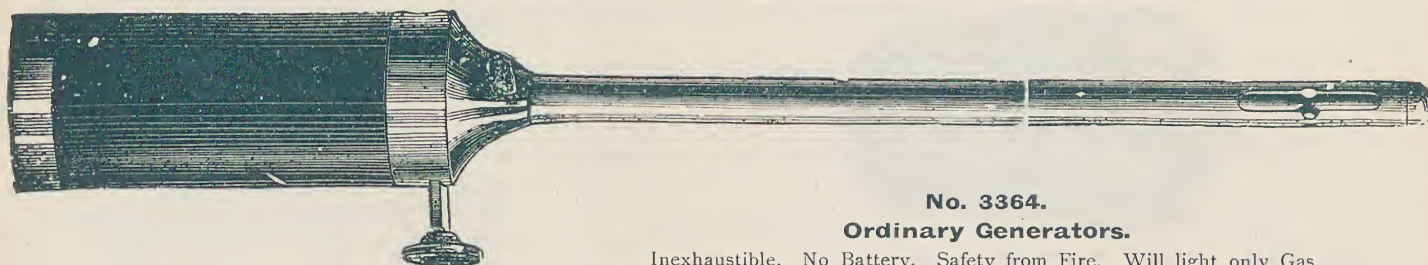
**PLATING DYNAMOS** same price for similar out-put.

Can be Wound for use as Motors at same price.

**Awards for Excellence of Machines and Tools :**



## CLARKE'S PATENT DYNAMO ELECTRIC GAS LIGHTERS.



No. 3364.

Ordinary Generators.

Inexhaustible. No Battery. Safety from Fire. Will light only Gas.

No.	Length over all.	Price.		
		With Straight Spire.	With Bent Spire.	With Key to turn Gas.
<b>3364</b>	16 in. with Metal Spire.	<b>14/6</b>	} <b>3/-</b> extra.	<b>2/-</b> each extra.
<b>3365</b>	24 in. "	<b>16/9</b>		
<b>3366</b>	30 in. "	<b>18/6</b>		
<b>3367</b>	36 in. "	<b>19/6</b>		

No. 3368.



**Sal-Tablets**

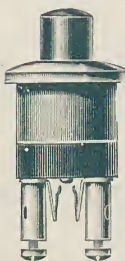
**Tablets for re-charging Léclanche Cells.**

(Soluble Pellets of Compressed Pure Sal Ammoniac).

Clean. No Waste.

Description.	Price. Including Tin.
Tin containing 1 lb. ...	<b>9d.</b>
" " 7 lb. ...	<b>5/-</b>
" " 14 lb. ...	<b>8/6</b>

No. 3369.



The  
"Midget" Push.

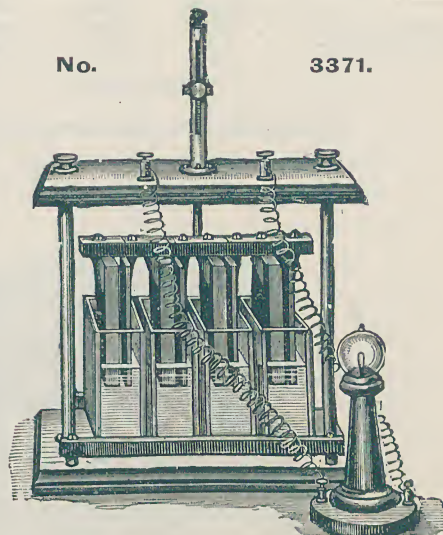
Suitable for letting into  
into Desks or Narrow  
Mouldings.

Nickel-plated with ebonite  
plunger.

Price **1/3** each.

No.

3371.



**Four special Form Bichromate Cells  
in Tray.**

With all Accessories and Lifting Gear.

(Chromic Acid extra.)

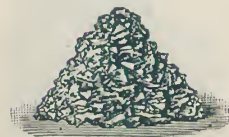
No.	Price, complete	each.
<b>3371.</b>	Price, complete ...	<b>18/6</b>
<b>3372.</b>	With Lamp and Standard...	<b>21/6</b>
<b>3374.</b>	Spare Glasses, size $3\frac{1}{4} \times 2\frac{3}{4} \times 1\frac{1}{4}$ ...	<b>1/-</b>
<b>3375.</b>	" Zincs ...	<b>1/2</b>

No. 3376.

**Salammoniac in small Quantities.**

Small Quantities packed with other Goods.

Crystal.



1 lb. ...	<b>-/8</b>
7 " ...	<b>4/6</b>
14 " ...	<b>8/10</b>
28 " ...	<b>17/6</b>
112 " ...	<b>62/-</b>

**Parts of Bottle Form.**

Coppered Carbons, $\frac{1}{2}$ -pint	<b>5/-</b> doz.	Tapped Zincs, $\frac{1}{2}$ -pint	<b>4/-</b> doz
" " 1-pint	<b>6/-</b> "	" " 1-pint	<b>5/-</b> "
" " quart	<b>9/-</b> "	" " quart	<b>5/6</b> "
" " 3-pint	<b>12/6</b> "	" " 3-pint	<b>18/-</b> "

Chromic Acid in bottles, **10d.** per lb., bottles included.

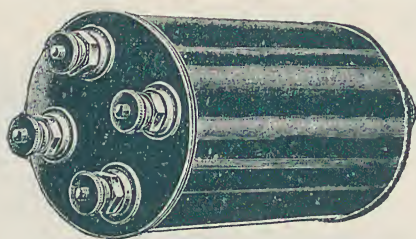
**Chromic Acid.**

1-lb. bottles	<b>1/6</b> each.
$\frac{1}{2}$ " "	<b>-/10</b> "
$\frac{1}{4}$ " "	<b>-/8</b> "

Bronze Medal, 1884.—Gold Medal, 1890.



## AUTOMOBILE ACCESSORIES.



- No. 3490. Coil for Tricycle.** Ebonite Case, without Contact Breaker. Size,  $6\frac{3}{4}$  in.  $\times$   $4\frac{3}{4}$  in. ... **48/-**  
**" 3491. Coil for Autocyclette...** ... **36/6**  
**" 3492. " " " cheap pattern** ... **32/6**

**Coils for Voiturettes.** Walnut Case, polished.

	Single Coil.	Double Coil.	Triple Coil.
	<b>3493.</b>	<b>3494.</b>	<b>3495.</b>
Without Trembler ...	<b>30/-</b>	<b>54/-</b>	<b>84/-</b>
With Trembler ...	<b>40/-</b>	<b>75/-</b>	<b>111/-</b>

**Coils for Large Motor Cars.** Walnut Case, polished.

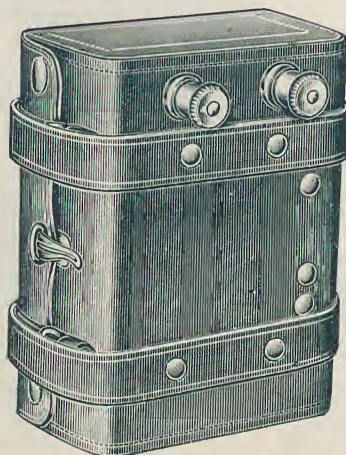
	Single Coil.	Double Coil.	Triple Coil.	Quadruple Coil.
	<b>3496.</b>	<b>3497.</b>	<b>3498.</b>	<b>3499.</b>
Without Trembler ...	<b>50/-</b>	<b>96/-</b>	<b>144/-</b>	<b>192/-</b>
With Trembler ...	<b>60/-</b>	<b>117/-</b>	<b>163/-</b>	<b>234/-</b>

### No. 3500.

#### Auxiliary Dry Ignition Battery.

The Motorist Insurance against Ignition Troubles.

Voltage 4.2.



Illustrates No. 136.

Complete in Solid Leather Case, with the usual Terminals.

Made in Three Sizes.

FOR MOTOR CYCLES.

- No. 3500.** Measures  $5\frac{1}{2} \times 4 \times 2\frac{1}{4}$  in., **10/6.** Refills, **2/6** each.

FOR SMALL CARS.

- No. 3501.** Measures  $7 \times 5 \times 2\frac{3}{4}$  in., **15/6.** Refills, **5/-** each.

FOR LARGE CARS.

- No. 3502.** Measures  $8\frac{1}{2} \times 6\frac{1}{2} \times 3$  in., **21/-.** Refills, **7/6** each.

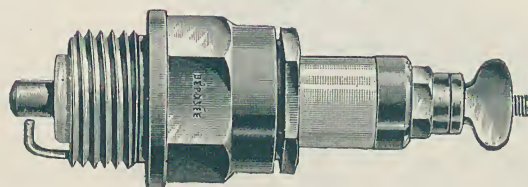
**Spark Coils.**—These Coils are made specially to work with Gas and Oil Engines of Motor Cars, Launches, and various types of Stationary Engines. A large quantity spark is guaranteed, produced with a minimum Battery Power, ensuring immediate ignition of the explosive gas in the Cylinders, thereby enabling the full horse-power to be obtained from a given motor.

They are wound to work with Two Accumulator Cells (= 4 volts), and fitted with large Platinum Contact Point for continuous and heavy work.

The Contact Breaker is arranged so that the best adjustment can be obtained.

The Coils without Tremblers are made to meet the requirements of our customers who prefer to arrange the contact breakers on the revolving spindle of the motor, which is fitted to make contact and so produce a spark at the required moment.

### No. 3503. Spark Plug.



This is the Perfection of Plug Productions—the result of much study and many experiments. The Pin is fixed by a Cone and Asbestos packing. Porcelain easily replaced, as no cement is used. A very powerful and regular spark is produced, and the plug is both air and gas-tight.

- No. 3503** ... Price **3/6** each.  
**No. 3504** The De Dion pattern ... **1/6** "

### No. 3506.

#### Small Charging Board.

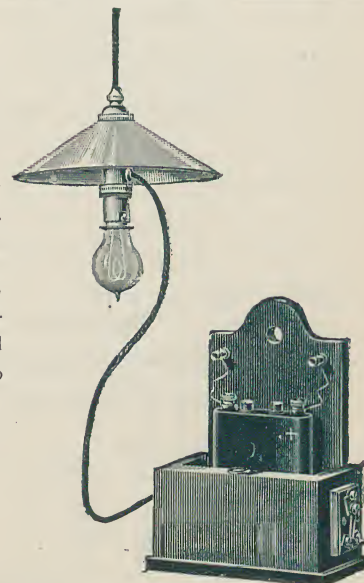
For charging Pocket Accumulators from Dynamo Current.

Polished Walnut Bracket and Board, with Adapter, Socket, Cord, and small Switch, enabling accumulator to be charged in series with the usual lamp of the fixture.

Including Pole Indicator.

Complete, with instructions.

**15/-**



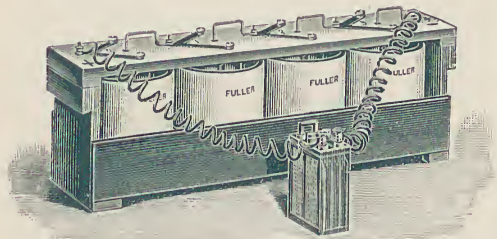


No. 3377.

## MERCURY BICHROMATE CHARGING BATTERY.

This Battery has been a phenomenal success.

On account of its simplicity, efficiency, and economy, it has met a long-felt want of the Motorist, and especially so of the one living in the country, who, being out of touch with an electric supply station, has experienced great inconvenience in getting his Accumulator properly charged. The "FULLER" Battery solves this problem, and solves it effectively.



**SIMPLICITY ITSELF. AN IDEAL SYSTEM FOR THE COUNTRY HOUSE.**

You connect the Accumulator at night, it is fully charged in the morning.

The most popular set among Motor Cyclists, and the one which we strongly recommend to the "man of moderate means" for charging all Accumulators up to 20 ampere hours capacity is No. 3379 at £1 14s. 0d. It is exactly as illustrated above, except that there are three cells instead of four.

Below we give a list of the various Sets and the Accumulators for which they are most suitable.

No.	Suitable for charging 4-volt. Accumulator up to:	Description of Set.	PRICE OF SET. Complete with sufficient chemicals for 1 charge of solution giving 50 ampere hours of current.
<b>3377</b>	10 ampere hours capacity	3 open cells in wood stand ... ..	<b>£1 : 1 : 0</b>
<b>3378</b>	14 " " "	4 " " " " " " " " " " " "	<b>£1 : 7 : 0</b>
<b>3379</b>	20 " " "	3 Double-Carbon Cells, as illustrated ... ..	<b>£1 : 14 : 0</b>
<b>3380</b>	35 " " "	4 " " " " " " " " " " " "	<b>£2 : 2 : 0</b>
<b>3381</b>	50 " " "	2 pairs of 3 Double-Carbon Cells, with 2-way Switch, etc.	<b>£3 : 10 : 0</b>

## SILK AND COTTON COVERED WIRE.

FOR ELECTRIC INSTRUMENTS, BELLS, DYNAMOS, ETC.

S.W.G.	Single Cotton.				Double Cotton.				Single Silk.				Double Silk.			
	2 oz.	4 oz.	8 oz.	1 lb.	2 oz.	4 oz.	8 oz.	1 lb.	2 oz.	4 oz.	8 oz.	1 lb.	2 oz.	4 oz.	8 oz.	1 lb.
10	—	-/6	-/10	1/6	—	-/6	-/10	1/7	-/7	1/-	1/8	2/11	-/8	1/3	2/3	4/-
12	—	-/6	-/10	1/6	—	-/6	-/10	1/7	-/7	1/-	1/8	2/11	-/8	1/3	2/3	4/-
14	—	-/6	-/10	1/6	—	-/6	-/10	1/7	-/7	1/-	1/8	2/11	-/8	1/3	2/3	4/-
16	—	-/6	-/10	1/6	—	-/6	-/11	1/7	-/7	1/1	1/9	2/11	-/8	1/3	2/3	4/-
18	—	-/6	-/10½	1/7	—	-/7	1/-	1/10	-/7	1/1	1/9	3/-	-/10	1/5	2/6	4/6
20	—	-/7	1/-	1/9	—	-/8	1/1	2/-	-/8	1/2	1/10	3/3	-/11	1/6	2/9	5/-
22	—	-/8	1/1	2/-	—	-/9	1/2	2/3	-/8	1/2	1/11	3/6	1/-	1/7	3/-	5/3
24	—	-/9	1/2	2/3	—	-/10	1/5	2/9	-/9	1/3	2/1	3/9	1/1	1/11	3/6	6/-
26	—	-/10	1/5	2/9	—	-/11	1/7	3/-	-/10	1/4	2/2	3/10	1/2	2/-	3/9	6/3
28	—	-/11	1/7	3/-	—	1/-	1/10	3/6	-/11	1/5	2/6	4/6	1/3	2/4	4/2	7/6
30	—	1/-	1/9	3/4	—	1/2	2/-	3/10	1/-	1/6	2/9	5/-	1/5	2/8	4/9	8/6
32	—	1/1	1/11	3/9	—	1/4	2/2	4/3	1/1	1/10	3/3	6/-	1/8	3/-	5/6	10/-
34	—	1/2	2/2	4/3	—	1/6	2/9	5/-	1/2	2/-	3/9	7/-	1/10	3/3	6/-	11/-
36	—	1/6	2/10	5/6	—	2/-	3/9	6/-	1/5	2/8	4/9	8/9	2/-	3/9	7/-	13/-
38	—	—	4/-	7/-	—	2/9	4/6	8/3	2/-	3/9	6/10	12/6	2/9	5/-	9/6	17/6
40	—	—	—	—	—	—	—	—	2/9	5/3	9/9	17/6	4/6	8/9	16/-	29/-

Special Quotations for Quantities.

Bronze Medal, 1884.—Gold Medal, 1890.



**INDOOR BELL WIRES.****No. 3381.****India-Rubber Covered Wires.****BEST QUALITY.**

**Specification.**—High Conductivity Copper Wire, Tinned, Pure India-Rubber, Longitudinal Cotton Strands, Cotton lapped, and the whole well paraffined.

Conductor in S.W.G.	Catalogue No.	Per 27½ yards.	Per 55 yards	Per 110 yards.	Per Mile.
22	<b>3382</b>	<b>1/.</b>	<b>1/10</b>	<b>3/.</b>	<b>£2 5 0</b>
20	<b>3383</b>	<b>1/3</b>	<b>2/3</b>	<b>4/.</b>	<b>3 0 0</b>
18	<b>3384</b>	<b>2/6</b>	<b>4/6</b>	<b>7/6</b>	<b>5 15 0</b>

**TWIN WIRES.**

**Specification.**—One India-Rubber and one Cotton covered, then Cotton covered and paraffined.

Conductor in S.W.G.	Catalogue No.	Per 27½ yards.	Per 55 yards.	Per 110 yards.	Per Mile.
2/22	<b>3385</b>	<b>1/10</b>	<b>3/3</b>	<b>6/-</b>	<b>£4 10 0</b>
2/20	<b>3386</b>	<b>2/6</b>	<b>4/6</b>	<b>8/6</b>	<b>6 6 0</b>

**OUT DOOR BELL WIRE.**

**Specification.**—Plain Copper Wire, covered with Gutta Percha, lapped with Tape and compounded over all.

Conductor in S.W.G.	Catalogue No.	Per 27½ yards.	Per 55 yards.	Per 110 yards.	Per Mile.
20	<b>3387</b>	<b>3/9</b>	<b>7/-</b>	<b>12/6</b>	<b>£9 0 0</b>

**TWIN WIRES.**

PARTICULARS OF WIRES.				Two Wires, each Insulated with preservative compound, laid side by side, and braided together.		Two Wires, each Insulated as 3338, and spiralled together.	
Conductor in S.W.G.	Approximate weight per { 110 Yards, = 108·25 metres.		Catalogue No.	Price per Mile, = 1·6 kilometres.	Price per 110 Yards, = 108·25 metres.	Price per Mile, = 1·6 kilometres.	Price per 110 Yards, = 108·25 metres.
	In lb.	In kilos.					
2/22	2¼	1·02	<b>3388</b>	£ s. d. <b>4 7 6</b>	s. d. <b>7 6</b>	£ s. d. ...	s. d. ...
2/20	4½	2·03	<b>3389</b>	<b>5 15 0</b>	<b>8 6</b>	...	...
2/20	4¾	2·15	<b>3390</b>	...	...	<b>6 10 0</b>	<b>10 0</b>

1 yard = '984 metres.

**Awards for Excellence of Machines and Tools:**



## OVERHEAD TELEPHONE WIRE.

### Mangan Copper Wire.

(98% PURE COPPER.)

Supplied in 7, 14, and 28 lb. Hanks to suit the convenience of Customers.

Conductor in S.W.G.	Catalogue No.	Approximate weight per Mile, = 1.6 kilometres.	Price per lb. in 7 lb. Hank, = 3.175 kgs.	Price per lb. in 14 lb. Hanks, = 6.35 kgs.	Price per lb. in 28 lb. Hanks, = 12.7 kgs.
14	<b>3391</b>	lb. 102	2/-	1/9	1/6
16	<b>3392</b>	65			
18	<b>3393</b>	37			

### SILICIUM BRONZE WIRE.

Supplied in 7, 14, and 28 lb. Hanks to suit the convenience of Customers.

Conductor in S.W.G.	Catalogue No.	Approximate weight per Mile, = 1.6 kilometres.	Price per lb. in 7 lb. Hanks, = 3.175 kgs.	Price per lb. in 14 lb. Hanks, = 6.35 kgs.	Price per lb. in 28 lb. Hanks, = 12.7 kgs.
14	<b>3394</b>	lb. 102	2/6	2/3	2/-
16	<b>3395</b>	65			
18	<b>3396</b>	37			

### BREAKING STRAIN OF SILICIUM BRONZE WIRE.

Conductor in S.W.G.	Catalogue No.	Total Breaking Strain.		Conductor in S.W.G.	Total Breaking Strain.		Conductor in S.W.G.	Total Breaking Strain.	
		In lb.	In kilos.		In lb.	In kilos.		In lb.	In kilos.
8	<b>3397</b>	1198	542.800	12	516	234.100	16	199	90.475
9	<b>3398</b>	1053	477.100	13	403	183.000	17	153	69.270
10	<b>3399</b>	807	365.800	14	305	138.500	18	112	50.890
11	<b>3400</b>	653	291.200	15	252	114.500	20	78	35.340

### GALVANIZED IRON WIRES.

Conductor in S.W.G.	Catalogue No.	Approximate Weight in Pounds per Mile.	Kgs. per Kilometre.	Approximate Resistance.		PRICE.	
				Per Mile.	Per Kilometre.	Per Mile.	Per cwt.
11	<b>3401</b>	184	83.3	Ohms. 46	Ohms. 29	<b>41/-</b>	<b>25/-</b>
12	<b>3402</b>	148	67.0	57	36	<b>36/-</b>	<b>27/-</b>
14	<b>3403</b>	88	39.8	96	60	<b>23/6</b>	<b>30/-</b>
16	<b>3404</b>	57	25.8	147	92	<b>16/-</b>	<b>31/-</b>
7/16 Stranded.	<b>3405</b>	480	237.5	21	13	<b>142/-</b>	<b>33/-</b>

### MOTOR CAR FLEXIBLE.

We have made a special study of Flexible Conductors for Automobile use, and have every confidence in offering the following to those interested in Motor work.

SPECIFICATION.	Catalogue No.	Price per yard.
High Tension 70/33 Tinned Copper Wires, insulated with Pure India-Rubber, white and black Vulcanized India-rubber, total diameter $\frac{1}{16}$ in. ... ..	<b>3406</b>	<b>3/9</b>
High Tension 30/35 do. do. total diameter $\frac{3}{16}$ in. ... ..	<b>3407</b>	<b>2/3</b>
Low Tension 100/35 Tinned Copper Wires, insulated with one lap Pure India-rubber, two layers Cotton Braid, and the whole coated with Preservative Compound. ... ..	<b>3408</b>	<b>-/6</b>

Bronze Medal, 1884.—Gold Medal, 1890.



**ELECTRIC LIGHT, WIRES AND CABLES VULCANIZED RUBBER.**

No. 3409.

**Conductors all of TINNED Copper Wire.**

**SPECIFICATION.**—Insulated, Pure and Vulcanized India-Rubber, India-Rubber Coated Tape, the whole Vulcanized together, Braided Cotton, and Covered Preservative Compound.

PARTICULARS OF WIRES.				CLASS 1.—300 Megohms. Approximate Actual Insulation Resistance.		CLASS 2.—600 Megohms. Approximate Actual Insulation Resistance.		CLASS 3.—2,500 Megohms. Approximate Actual Insulation Resistance.	
				Size 1/22 to 1/12 . 1,200 Megohms. „ 3/25 to 7/20 . 750 „		Size 1/22 to 1/12 . 2,000 Megohms. „ 3/25 to 7/20 . 1,000 „		Size 1/22 to 1/12 . 5,000 Megohms. „ 3/25 to 7/20 . 4,000 „	
Conductors in Legal Standard Gauge.	Carrying Capacity of Conductors calculated at 1,000 amperes per square inch sectional area.	Approximate Diameter.	Approximate Weight per Statute Mile.	PRICES.		PRICES.		PRICES.	
				Per Statute Mile.	Quantities less than 1/10 mile, per Yard.	Per Statute Mile.	Quantities less than 1/10 mile, per Yard.	Per Statute Mile.	Quantities less than 1/10 mile, per Yard.
1/22	6	153	lb. 67	£ 9 5	s. d. 0 1 1/2	£ 9 10	s. d. 0 1 1/2	£ 11 10	s. d. 0 2
1/20	10	175	93	11 0	0 1 1/4	12 0	0 2	15 10	0 2 1/2
1/19	12	177	102	12 0	0 2	12 15	0 2 1/4	16 5	0 2 3/4
1/18	18	189	119	13 10	0 2 1/4	14 15	0 2 3/4	18 10	0 3
1/17	24	195	135	15 0	0 2 1/2	16 15	0 2 3/4	21 10	0 3 1/2
1/16	32	205	159	17 15	0 2 3/4	18 10	0 3	22 15	0 3 3/4
1/15	40	213	178	20 10	0 3 1/4	21 0	0 3 1/2	26 0	0 4 1/4
1/14	50	225	208	22 15	0 3 3/4	23 5	0 4	28 10	0 4 3/4
1/13	66	237	246	28 10	0 4 3/4	30 0	0 5	33 10	0 5 1/2
1/12	84	252	303	33 0	0 5 1/2	34 10	0 5 3/4	39 0	0 6 1/2
3/25	9	179	95	12 5	0 2	13 10	0 2 1/4	16 15	0 2 3/4
3/23	13	196	115	13 15	0 2 1/4	15 0	0 2 1/2	19 0	0 3 1/4
3/22	18	203	131	16 0	0 2 1/2	17 10	0 2 3/4	22 0	0 3 1/2
3/20	30	222	175	21 5	0 3 1/4	22 15	0 3 3/4	27 10	0 4 1/2
3/18	53	243	255	29 5	0 3 3/4	31 0	0 5	37 15	0 6 1/4
7/25	21	200	138	17 0	0 2 3/4	18 5	0 3	22 15	0 3 3/4
7/23	31	215	165	21 0	0 3 1/2	21 15	0 3 3/4	26 10	0 4 1/4
7/22	42	230	205	23 15	0 4	25 0	0 4	30 15	0 5
7/21 1/2	48	235	218	26 5	0 4 1/4	27 0	0 4 1/2	33 0	0 5 1/2
7/20	70	303	327	32 15	0 5 1/2	34 10	0 5 3/4	43 0	0 7
7/19	87	317	387	38 15	0 6 1/4	39 15	0 6 1/2	48 5	0 8
7/18	125	355	505	49 5	0 8	50 15	0 8 1/4	61 15	0 10 1/4
7/17	170	380	633	61 15	0 9 1/2	65 15	0 10 3/4	76 10	1 0 1/2
7/16	222	419	793	76 10	1 0 1/2	78 15	1 1	93 15	1 3 1/2
7/15	282	446	964	90 0	1 2 1/4	95 10	1 3 3/4	111 15	1 6 1/2
7/14	348	483	1,165	108 0	1 5 1/4	113 0	1 6 1/2	133 0	1 9 1/2
19/20	191	400	706	65 0	0 10 3/4	73 5	1 0	81 10	1 2
19/19	236	424	834	78 10	1 1	81 10	1 1 1/4	101 0	1 4 1/2
19/18	339	481	1,132	100 15	1 4 1/2	105 0	1 5 1/4	130 0	1 9 1/4
19/17	462	528	1,484	125 5	1 8 1/2	143 0	1 11 1/4	166 10	2 3 1/4
19/16	603	585	1,882	168 15	2 3 1/2	174 15	2 4 1/4	204 5	2 9 1/2
19/15	765	635	2,308	202 0	2 9	211 5	2 10 1/2	246 5	3 4 1/4
19/14	944	689	2,795	246 15	3 4 1/2	256 10	3 6	298 5	4 0 3/4
19/13	1249	762	3,609	310 0	4 2 1/4	320 0	4 4 1/4	376 0	5 1 1/4
19/12	1595	835	4,493	386 15	5 3 1/2	399 0	5 5 1/4	465 0	6 4 1/4
37/16	1176	755	3,427	293 15	4 0	302 15	4 1 1/2	367 15	5 0 1/4
37/15	1489	815	4,217	358 0	4 10 3/4	370 5	5 0 3/4	445 0	6 1
37/14	1838	885	5,115	424 0	5 9 1/4	438 15	5 11 1/4	538 0	7 4
37/13	2431	972	6,549	545 0	7 5 1/4	563 10	7 8 1/2	643 10	8 9 1/4
37/12	3105	1072	8,240	693 0	9 5 1/2	720 0	9 9 1/4	798 0	10 10 1/4
61/12	5120	1325	13,200	1125 0	15 6	1170 0	16 0	1479 10	20 2 1/4

Bronze Medal, 1884.—Gold Medal, 1890.

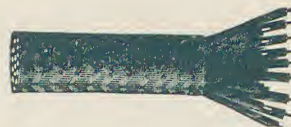


## TELEPHONE MULTIPLE CABLES.

(FOR INTERCOMMUNICATION SYSTEMS.)

No. 3409.

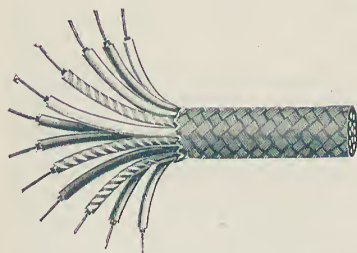
**Specification.**—Each Conductor of No. 22 Tinned Copper Wire, covered with pure India-rubber, double cotton covered and paraffined. All conductors covered different colours. The whole twisted and braided together.



COTTON.

No. of Conductors.	5	7	9	12	17	22	27	32
Price per 110 yds. (= 108.25 metres) ...	21/-	27/-	39/-	48/-	66/-	90/-	112/-	150/-

Quantities less than 55 yards will be charged 10 per cent. extra.



No. 3410.

### FLEXIBLE MULTIPLE CABLE.

**Specification.**—Each Conductor of 10 Strands of plain Copper Wire, white cotton covering, coloured cotton covering. Conductors cabled and covered with green cotton first, and green silk afterwards.

SILK.

No. of Conductor.	8	10	12	15	20	25	30	35
Price per doz. yds. (= 10.9 metres) ...	3/6	5/-	6/-	7/6	10/-	12/6	15/-	18/-

Quantities less than 1 doz. yards will be charged 10 per cent. extra.

## FUSE WIRES.

The Sizes of various Wires will be fused by a given Current.

No. 3411.

TIN WIRE.			LEAD WIRE.			TINNED COPPER WIRE.		
Current in Amperes.	S.W.G.	Price per lb.	Current in Amperes.	S.W.G.	Price per lb.	Current in Amperes.	S.W.G.	Price per lb.
1.09	36	12/6	1.55	32	5/6	.91	47	24/-
1.45	34	9/-	1.90	30	3/9	2.21	43	13/9
1.84	32	7/6	2.48	28	3/3	2.99	41	10/6
2.27	30	6/9	3.33	26	2/6	3.84	39	9/3
2.96	28	6/-	4.50	24	2/-	4.76	38	8/-
3.97	26	4/9	5.13	23	2/-	5.74	37	8/-
5.36	24	4/3	6.46	22	1/6	6.79	36	6/3
7.69	22	3/9	7.89	21	1/6	7.89	35	6/3
11.21	20	3/6	9.42	20	1/3	9.04	34	4/9
17.26	18	3/3	11.00	19	1/3	10.20	33	3/6
26.58	16	3/-	14.5	18	1/-	14.1	30	3/-
37.15	14	3/-	22.3	16	1/-	21.5	27	2/9
55.07	12	3/-	31.2	14	1/-	24.7	26	2/6
75.19	10	3/-	38.5	12	1/-	48.0	22	2/-
117.91	8	3/-	46.3	12	1/-	70.0	20	2/-

The above Table is issued by kind permission of Sir W. H. PREECE, F.R.S.

Sizes up to No. 24 in quantities under 1 lb. ... 10 per cent. extra.

" from Nos. 26 to 36 in quantities under 1/2 lb. ... 10 " "

The Prices of all the above Fuse Wires are subject to any important Market Fluctuations.

## FUSE STRIP.

No. 3412.

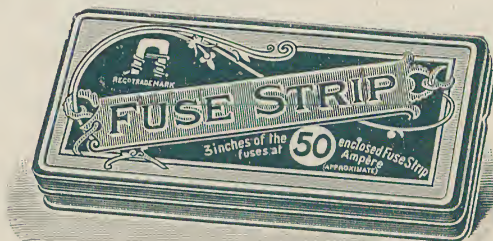
In Tin Boxes of 2 lb. weight approximate.

Containing 50 ampere Fuse Strips

" 60	"	"
" 70	"	"
" 80	"	"
" 90	"	"
" 100	"	"
" 120	"	"
" 200	"	"

Price  
per Box,  
3/-

Box of assorted sizes at same price.



Bronze Medal, 1884.—Gold Medal, 1890.



**HIGH INSULATION FLEXIBLE ELECTRIC LIGHT CORDS.****PURE RUBBER INSULATION.****No. 3413.**

No. of Strands ... ..	<b>23</b>		<b>35</b>		<b>70</b>		<b>130</b>		<b>225</b>	
S.W. Gauge ... ..	<b>40</b>		<b>40</b>		<b>40</b>		<b>40</b>		<b>40</b>	
Approximate Equivalent in <b>S.W.G.</b> to Solid Wire	23		22		19		17		15	
Price.	Price.		Price.		Price.		Price.		Price.	
	Per gross yds.	Per dozen yds.	Per gross yds.	Per dozen yds.	Per gross yds.	Per dozen yds.	Per gross yds.	Per dozen yds.	Per gross yds.	Per dozen yds.
TWISTED CORD.—Twin Conductors, Double Cotton covered, pure Indiarubber (single) Braided Cotton, AND Braided <b>GLAZED COTTON</b> ... ..	17/6	2/3	21/-	2/6	30/-	3/9	52/6	6/6	72/-	9/-
Braided <b>SILK</b> ... ..	27/6	3/3	30/-	3/9	50/-	6/-	75/-	9/6	96/-	12/-
Circular <b>WORKSHOP</b> , both braided together with tarred yarn and well ozokerited }	17/6	2/3	21/-	2/6	36/-	4/6	57/-	7/3	75/-	9/6

NOTE.—Colours in Stock—Maroon, Crimson, light Gold, deep Gold, Green.

**VULCANIZED RUBBER INSULATION "THIN."****No. 3414.**

No. of Strands ... ..	<b>23</b>		<b>35</b>		<b>70</b>	
S.W. Gauge ... ..	<b>40</b>		<b>40</b>		<b>40</b>	
Approximate Equivalent in <b>S.W.G.</b> to Solid Wire	23		22		19	
Price.	Price.		Price.		Price.	
	Per gross yds.	Per dozen yds.	Per gross yds.	Per dozen yds.	Per gross yds.	Per dozen yds.
TWISTED CORD Twin Conductors :— Lapped Cotton. Vulcanized Indiarubber AND Braided <b>GLAZED COTTON</b> ... ..	16/6	2/-	20/-	2/6	30/-	3/9
Braided <b>SILK</b> ... ..	25/-	3/-	30/-	3/9	42/-	5/3
Circular <b>WORKSHOP</b> . Lapped Cotton Vulcanized Indiarubber Spiral Cotton fillings to Circular Both braided together and black compounded }	18/-	2/3	21/-	2/6	33/-	4/3

**PURE AND VULCANIZED RUBBER INSULATION "BEST."**

MINIMUM INSULATION, 400 MEGOHMS.

**No. 3415.**

No. of Strands ... ..	<b>23</b>		<b>35</b>		<b>70</b>		<b>130</b>		<b>225</b>	
S.W. Gauge ... ..	<b>40</b>		<b>40</b>		<b>40</b>		<b>40</b>		<b>40</b>	
Approximate Equivalent in <b>S.W.G.</b> to Solid Wire	23		22		19		17		15	
Price.	Price.		Price.		Price.		Price.		Price.	
	Per gross yds.	Per dozen yds.	Per gross yds.	Per dozen yds.	Per gross yds.	Per dozen yds.	Per gross yds.	Per dozen yds.	Per gross yds.	Per dozen yds.
TWISTED CORD.—Twin Conductors :— Lapped Cotton. Pure Para Rubber. Best Vulcanized Rubber. Cotton Braided and Finished.										
Braided <b>GLAZED COTTON</b> ... ..	30/-	3/9	36/-	4/6	51/-	6/3	81/-	10/-	112/-	13/6
Braided <b>SILK</b> ... ..	45/-	5/9	54/-	6/9	72/-	9/-	96/-	12/-	144/-	18/-
Circular <b>WORKSHOP</b> . Compounded Braiding }	30/-	3/9	36/-	4/6	54/-	6/9	84/-	10/6	120/-	15/-

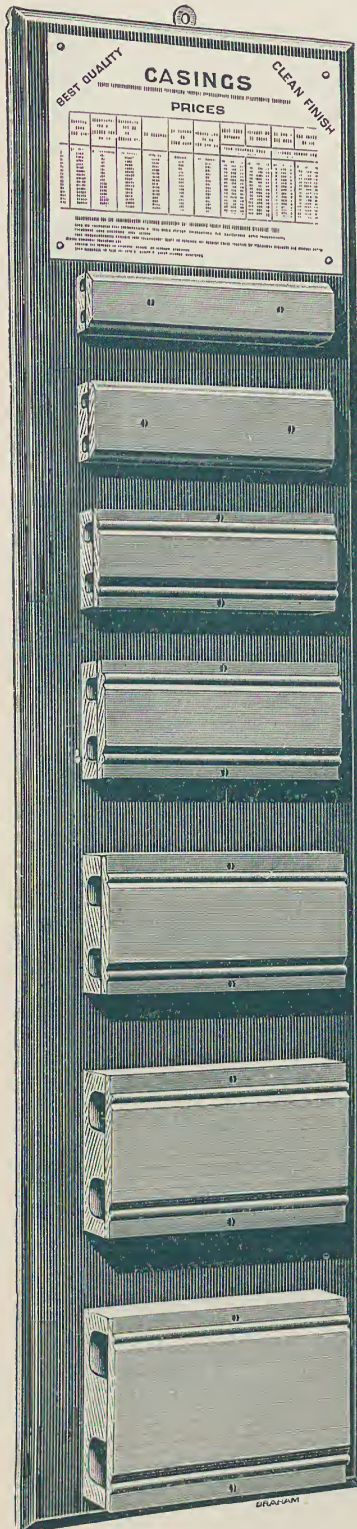
Special colours to match decorations delivered in from two to three weeks.

Quantities less than  $\frac{1}{2}$ -gross will be charged at per dozen yards.**Awards for Excellence of Machines and Tools :**



## ELECTRIC CABLE CASINGS.

No. 3416.



Prices are per 100 feet, Case and Cover together.

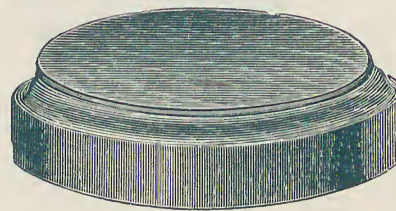
Size No. ...	1	2	2	3	4	5	6	7	8
Width ...	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4 in.
Grooves ...	1 $\frac{3}{16}$	$\frac{1}{4}$	$\frac{9}{32}$	1 $\frac{6}{16}$	1 $\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1 in.
For B.W.G. ...	18	16	16	14	7/20	7/16	7/14	19/16	19/12
White Wood ...	5/-	5/2	5/3	6/6	7/6	11/-	14/6	18/-	23/9

## POLISHED WOOD BLOCKS.

No. 3417.

Made from well-seasoned wood, warranted not to warp or split.

All Recesses  $\frac{5}{8}$  in. deep on back.

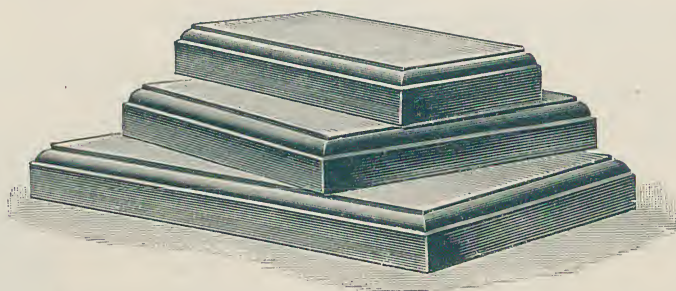


Sizes and Prices per dozen.

Size on Face.	Thickness.	Imitation Walnut or Mahogany.	Real Walnut or Mahogany.
2 $\frac{1}{2}$ in.	1 in.	2/6	3/-
3 "	1 "	3/-	3/6
3 $\frac{1}{2}$ "	1 "	3/9	4/3
4 "	1 "	5/6	6/6

## SQUARE & OBLONG POLISHED TEAK BLOCKS.

No. 3418.



No. 3418.  
Square.

Size.	Price.
3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ in. ...	6/- per doz.
6 $\frac{1}{2}$ x 6 $\frac{1}{2}$ in. ...	10/- "
9 $\frac{1}{2}$ x 9 $\frac{1}{2}$ in. ...	16/6 "
12 $\frac{1}{2}$ x 12 $\frac{1}{2}$ in. ...	22/6 "
15 $\frac{1}{2}$ x 15 $\frac{1}{2}$ in. ...	63/- "

No. 3419.  
Oblong.

Size.	Price.
6 $\frac{1}{2}$ x 3 $\frac{1}{2}$ in. ...	6/6 per doz.
6 $\frac{1}{2}$ x 9 $\frac{1}{2}$ in. ...	12/- "
6 $\frac{1}{2}$ x 12 $\frac{1}{2}$ in. ...	15/- "
9 $\frac{1}{2}$ x 3 $\frac{1}{2}$ in. ...	7/9 "
9 $\frac{1}{2}$ x 12 $\frac{1}{2}$ in. ...	21/- "
12 $\frac{1}{2}$ x 3 $\frac{1}{2}$ in. ...	10/6 "

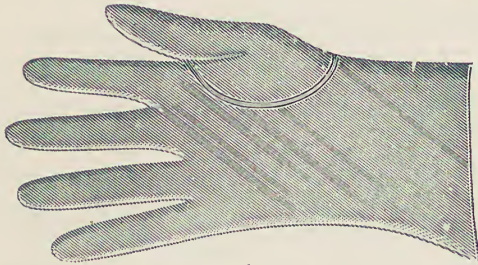
Bronze Medal, 1884.—Gold Medal, 1890.



**INDIA-RUBBER GLOVES.**

Perfectly Non-Conducting.

No. 3420.



Description.	Price per pair.
Solid Grey India-rubber Gloves, $4\frac{3}{4}$ in. wide, 7 in. long ... ..	5/6
" " " 5 in. " 8 in. " ... ..	6/-
" " " $5\frac{1}{4}$ in. " 9 in. " ... ..	7/-
" " " $5\frac{1}{2}$ in. " 10 in. " ... ..	7/6
" " Gauntlets, $5\frac{1}{2}$ in. " 16 in. " ... ..	11/6
Best Black India-rubber Shoes for High Tension Work ... ..	17/6

**INDIA-RUBBER TUBING.**

(Red I.R. Tubing for Covering Wires.)

No. 3421.

Internal Diameter in Inches	...	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Price per foot	...	2d.	2½d.	3d.	3½d.	5d.	6d.	9d.	10d.	1/8

**EBONITE OR VULCANITE.**

No. 3422.

SHEETS.		Rod.		TUBE.	
Standard Size, 19 in. wide x 24 in. long.		In Lengths of from 20 in. to 60 in.		In Lengths of from 20 in. to 60 in.	
Thickness in Inches.	Price per lb.	Diameter in Inches.	Price per lb.	Diameter (Internal) in Inches.	Price per lb.
$\frac{1}{16}$ to $\frac{1}{2}$	5/6	$\frac{1}{4}$ to $\frac{3}{8}$	5/-	$\frac{1}{16}$ to $\frac{1}{4}$	5/6
$\frac{1}{8}$ " $\frac{1}{8}$	4/9	$\frac{1}{4}$ " $\frac{1}{4}$	5/-	$\frac{1}{8}$ " $\frac{1}{2}$	5/6
$\frac{1}{8}$ " $\frac{1}{4}$	4/9	$\frac{1}{2}$ " 2	5/-		

**VULCANIZED FIBRE.**

No. 3423.

This is an excellent Insulator in all dry positions, and is largely used as a substitute for ebonite by most of the principal Electric Light Companies and manufacturers of Electrical Instruments in the United Kingdom and Europe.

It is used in Dynamos for Commutators, Magnet Heads, etc., for Switch Boards, Switch Plugs, Wall Insulators, Bases of Telegraph and Electrical Instruments, Press Buttons, Electrical Gas Lighting Appliances, Electric Fire and Burglar Alarms, Electric Lamps, etc.

Owing to its remarkable toughness and strength, which admits of its being forced into all sorts of positions without liability of breakage, the ease with which it can be tapped, drilled and screw-threaded, and the firmness with which it holds screws, it is far superior to rubber, or any other material, for most of these uses. As the insulating properties of Vulcanized Fibre have been thoroughly tested all over the world for a number of years, and as it is much cheaper than ebonite, and improves with age, the economy of using it is apparent. It is made in three colours—Red, Grey and Black. When no colour is ordered we supply Red.

SHEETS.		Rod.		TUBE.		
Standard Size, 42 in. wide x 66 in. long.				Diameter in Inches.	Thickness of Shell.	Price per lb.
Thickness in Inches.	Price per lb.	Diameter in Inches.	Price per lb.	Diameter in Inches.	Thickness of Shell.	Price per lb.
$\frac{1}{16}$ to $\frac{3}{4}$	2/6	$\frac{1}{8}$ to $\frac{1}{4}$	7/-	$\frac{1}{8}$ to $\frac{5}{16}$	$\frac{1}{16}$ or thicker.	7/-
$\frac{1}{8}$ " $\frac{1}{4}$	3/-	$\frac{3}{8}$ " $\frac{1}{4}$	6/6	$\frac{3}{8}$ " 2	$\frac{1}{8}$ or thicker.	5/6

## APPROXIMATE WEIGHT OF SHEETS.

Sheets $\frac{1}{4}$ in. thick ... 2 lb.	Sheets $\frac{3}{8}$ in. thick ... 24 lb.	Sheets $\frac{1}{2}$ in. thick ... 56 lb.	Sheets $\frac{3}{4}$ in. thick ... 112 lb.
" $\frac{5}{16}$ " " ... 4 "	" $\frac{1}{4}$ " " ... 32 "	" $\frac{1}{2}$ " " ... 64 "	" 1 " " ... 128 "
" $\frac{1}{2}$ " " ... 8 "	" $\frac{5}{16}$ " " ... 40 "	" $\frac{3}{8}$ " " ... 80 "	" $\frac{1}{2}$ " " ... 144 "
" $\frac{3}{4}$ " " ... 16 "	" $\frac{3}{8}$ " " ... 48 "	" $\frac{1}{2}$ " " ... 96 "	" 1 " " ... 160 "

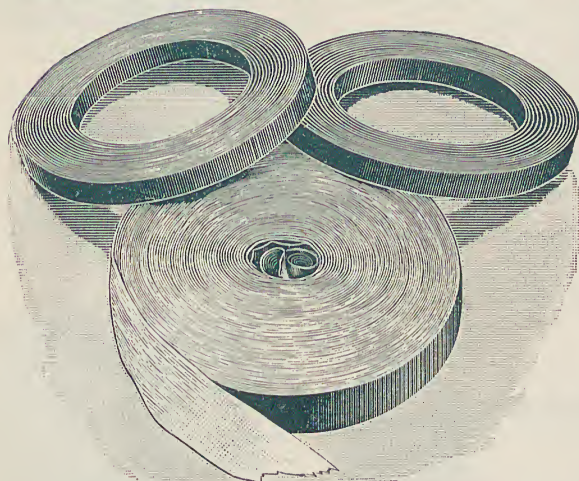
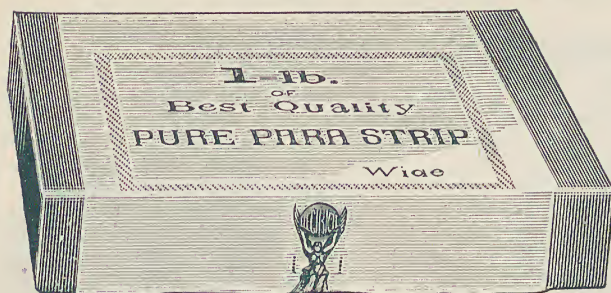
**ASBESTOS.**

No. 3424.

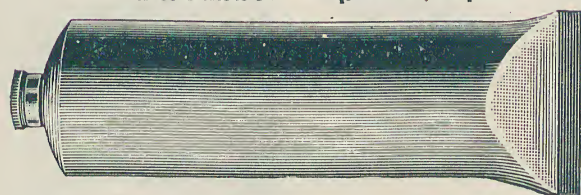
Asbestos Millboard, 1st quality ... .. per lb.	2/-	Asbestos Proofed Tape ... .. per lb.	1/6
" " 2nd " ... ..	-/9	" " Joints ... ..	2/9
" Packing Block, round or square ... ..	2/6	" Boiler Covering Composition (Dry) ... per cwt.	17/6
" Rolled Cloth Packing ... ..	2/6	" Rings ... .. per lb.	2/9
" Fibre ... ..	2/-	" Putty ... ..	-/9
" Proofed Sheeting ... ..	2/-	" Paper ... ..	1/3

Awards for Excellence of Machines and Tools:





India-rubber Prepared Tape.

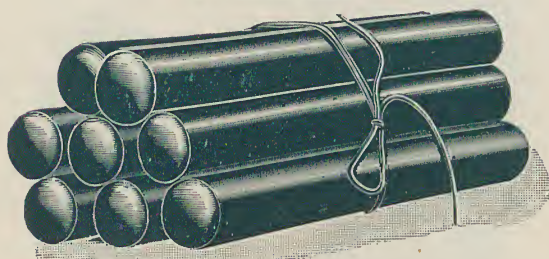


India-rubber Solution in Collapsible Tubes.

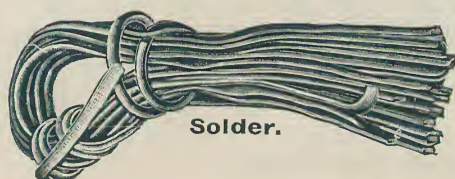


For making

India-rubber Solution.



Chatterton Compound.



Solder.

## JOINTING MATERIALS FOR INSTALLATION WORK.

No.	Description.	Particulars.	Price per lb.
3425	Paraffined White Cotton Tape, $\frac{1}{2}$ , $\frac{3}{4}$ , or 1 in. widths... ..	About 80 yards (1 in.) to the lb.	2/9
3426	India-rubber Prepared Tape (both sides), $\frac{1}{2}$ , $\frac{3}{4}$ , or 1 in. widths ... ..	Do. 65 do. ...	2/3
3427	Black Compounded Tape (both sides), in 1 in. widths ... ..	Do. 33 do. ...	2/3
3428	"Omega" Adhesive Tape, Black or White, in $\frac{1}{2}$ , $\frac{3}{4}$ , or 1 in. widths ... ..	Do. 60 do. ...	2/6
3429	Felt Tape in $\frac{1}{2}$ or 1 in. widths ... ..	Do. 200 do. ...	8/6
3430	Pure Para India-rubber Strip, 22 B.W.G. thick, in $\frac{1}{2}$ , $\frac{3}{4}$ , or 1 in. widths (weight inclusive of paper separator) ... ..	Do. 32 do. ...	11/6
3431	Vulcanizing Compound Rubber Tape (white) $\frac{1}{2}$ or 1 in. widths.	Do. 32 do. ...	3/9
3432	Ditto (black) $\frac{1}{2}$ or 1 in. widths	Do. 32 do. ...	3/-
3433	Gutta-percha Tissue ... ..	Do. 10 do. ...	1/8
3434	Gutta-Percha Jointing Sheet ... ..	$\frac{1}{16}$ in. thick ... ..	8/9
3435	Best Pure White Paraffin Wax ... ..	... ..	per lb. 10d. 14 lb. 9/7
3436	Best Quality India-rubber Solution ... ..	In $\frac{1}{4}$ , $\frac{1}{2}$ , or 1 lb. tins ... ..	per lb. 2/-
3437	Ditto ditto ditto ... ..	In $\frac{1}{4}$ , $\frac{1}{2}$ , or 1 lb. Collapsible tubes	2/3
3438	"Solvo" for making India-rubber Solution ... ..	In tins to make $\frac{1}{4}$ lb. Solution.	per tin 6d. per dz. 5/-
3439	Ditto ditto ditto ... ..	In tins to make $\frac{1}{2}$ lb. solution	per tin 9d. per dz. 7/6
3440	Chatterton Compound—Highly Flexible—rich in Rubber ... ..	In $\frac{1}{4}$ lb. sticks In 2 oz. do. ...	4/6 5/-
3441	Fire-proof Asbestos Paint (Grey or Stone Colour) ... ..	In drums ... ..	p. gall. 7/6
3442	Anti-Sulphuric Enamel, Black...	In gallon cans ... ..	21/-
3443	Ditto ditto Red ... ..	Do. do. ... ..	27/-
3444	Thin Wire Solder for Copper Wire Joints ... ..	... ..	per lb. 1/3
3445	Thick Stick Solder ditto ... ..	... ..	1/1
3446	Fine Quality Clear Amber Resin ... ..	... ..	4d.
3447	Sinclair's Patent Resin Cored Solder, No. 12 B.W.G. ... ..	The best flux for soldering copper wire ... ..	3/9
3448	Bitumen, Best ... ..	For filling in trenches ... ..	6d.
3449	"Baker's" Solution, for Tinning and Soldering ... ..	In bottles, large and small ... ..	2/- & 1/- ea.
3450	"Omega" Soldering Stick ... ..	A substitute for Resin, Acids, etc.	1/- per stick.

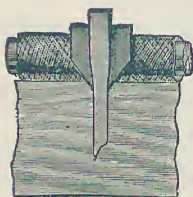
It should be noted that "SOLVO" is carried by all Railway and Shipping Companies as ordinary goods.

All prices given on this page are subject to market fluctuations.

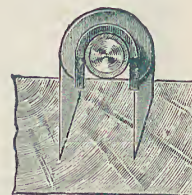


**THE "FIBROPHOR" INSULATED STAPLES.****No. 3451.**

No danger of cutting insulation of wire, as there are no sharp edges which can damage it. The "arch" being of a perfectly insulating substance, no leakage or waste of current is possible.



For a Wire of External Diameter.	Per 100.	Per 1000.
$\frac{1}{12}$ in.	3/6	23/6
$\frac{5}{32}$ "	3/3	21/7
$\frac{1}{4}$ "	1/9	11/2
$\frac{5}{16}$ "	1/3	7/11
$\frac{3}{8}$ "	1/1	6/7
$\frac{3}{64}$ "	-/10	6 -

**ZINC BELL TUBING.****No. 3452.**

Size.	Per lb.	Per 28 lb.	Per cwt.
$\frac{1}{4}$ in.	-/7	15/-	57/-
$\frac{3}{8}$ "			
$\frac{1}{2}$ "			
$\frac{5}{8}$ "			
$\frac{3}{4}$ "			

Subject to  
market  
fluctuations.

**GUTTA PERCHA TISSUE.****No. 3452a.**

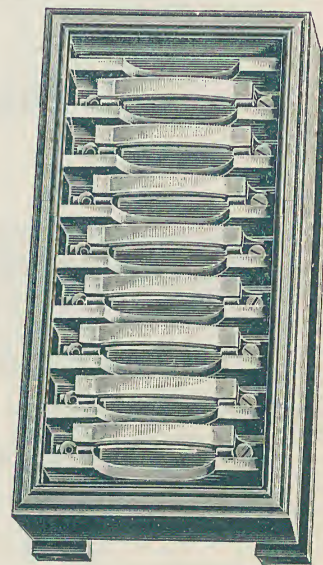
2/6 per square yard.

**No. 3453.****HIGH VOLTAGE FUSE BOARDS.**

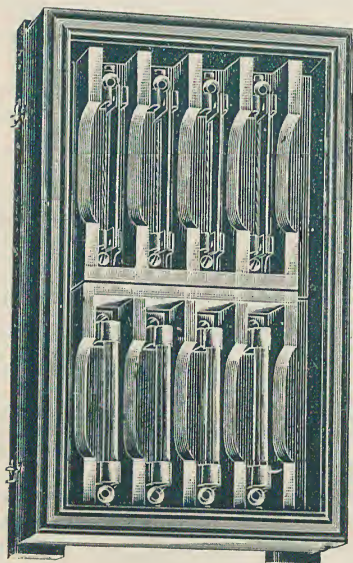
These boards are mounted on slabs of china. Each way is divided by a porcelain bridge. The Fuses can be supplied in China, Glass, or Fibre. Length of Fuse is  $2\frac{1}{2}$  in. between metal parts. The double pole Fuse Boards have a porcelain dividing bridge between the two poles. Cable inlets are of the Set Screw Terminal Type. They are fitted in highly polished boxes with glass fronts.

**H.V. DISTRIBUTION FUSE BOARDS.**

Description.	Price per Box complete.						
	2 way.	3 way.	4 way.	5 way.	6 way.	7 way.	8 way.
5 Amp. with Fibre Fuses...	6/-	7/-	8/-	9/-	10/4	11/6	12/6

**No. 3454.****D.P. H.V. DISTRIBUTION FUSE BOARDS (PATENT.)**

No.	Description.	Price per Box complete.						
		2 way.	3 way.	4 way.	5 way.	6 way.	7 way.	8 way.
3454	5 Amp. with Fibre Fuses	9/-	11/6	13/6	16/-	18/-	20/-	22/-
"	10 " " " "							
"	20 " " " "							
3455	5 " " Glass "	10/6	13/6	16/3	19/6	22/-	24/9	27/6
"	10 " " " "							
"	20 " " " "							
3456	5 " " Porc. "	8/-	12/-	13/-	17/-	20/-	22/-	25/-
"	10 " " " "							
"	20 " " " "							

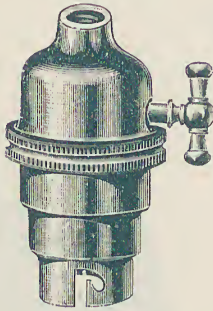


Awards for Excellence of Machines and Tools :



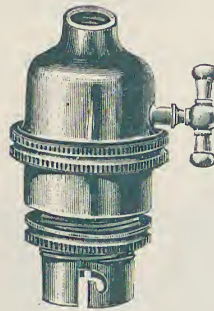
## H.V. PATENT SWITCH AND ORDINARY LAMP HOLDERS.

No. 3460.



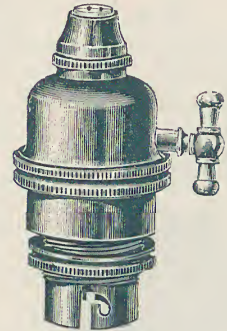
Screwed  $\frac{3}{8}$ ,  $\frac{1}{2}$ , or  $\frac{5}{8}$  in.  
Price **29/-** per doz.

No. 3461.



Screwed  $\frac{3}{8}$ ,  $\frac{1}{2}$ , or  $\frac{5}{8}$  in.  
Price **30/-** per doz.

No. 3462.

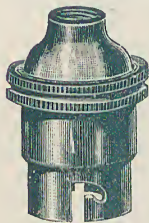


Cord Grip and Shade Carrier.  
Price **31/-** per doz.

Above Patent Switch Lamp Holders are the best ever brought out, and supply a long-felt want for a reliable Longbreak Switch Lampholder, the action of the working parts is similar to that of our Tumbler Switch, and the whole movement is enclosed in a case made of our special insulating material, which is fireproof, much less absorbent than ordinary porcelain, and of a resistance practically infinite.

## DOUBLE CONTACT LAMP HOLDERS.

No. 3463.



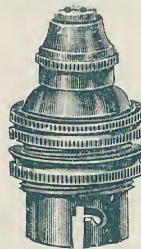
Plain.  
Sizes,  $\frac{3}{8}$  and  $\frac{1}{2}$  in.  
Price **6/9** doz.

No. 3464.



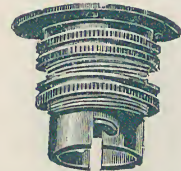
With Shade Carrier.  
Sizes,  $\frac{3}{8}$  and  $\frac{1}{2}$  in.  
Price **8/-** doz.

No. 3465.



With Shade Carrier and Cord Grip.  
Price **9/6** doz.

No. 3466.



Ceiling Lamp Holder.  
No. 3466, **9/6** per doz.  
No. 3467, with Shade Carrier,  
**11/-** per doz.

No. 3467.

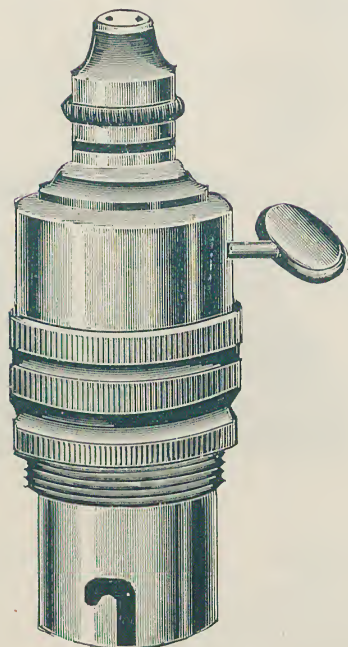


**Miniature Holder.**  
No. 3467, Plain. Size  $\frac{3}{8}$  in.  
**8/-** per doz.  
No. 3468, Cord Grips.  
**9/6** per doz.

No. 3469.



**China Adapter.**  
Cream, China, Cocus, Brass.  
**1/-** each.



## LONG BREAK SWITCH LAMP HOLDERS.

PRICES :

No. 3470.

Plain,  
 $\frac{3}{8}$  or  $\frac{1}{2}$  in. Thread.  
Per **22/6** doz.

No. 3471.

With Shade  
Carrier.  
 $\frac{3}{8}$  or  $\frac{1}{2}$  in. Thread.  
Per **24/6** doz.

No. 3472.

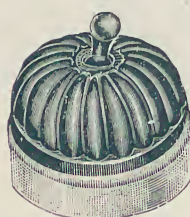
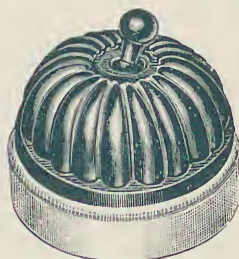
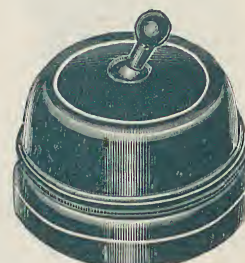
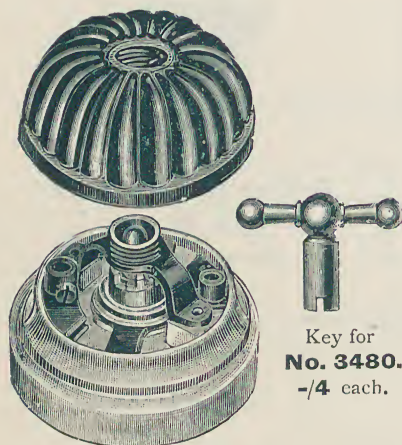
With Shade  
Carrier and Cord  
Grip.  
Per **27/-** doz.



Prices of our Registered Pattern

**Longbreak Tumbler Switches.**

These Switches are a Phenomenal Success, they recommend themselves to the practical Electrician as being the best in the market.

**No. 3476.****Brass Cover.****No. 3477.****Brass Cover.****No. 3478.****Cream China.****No. 3479.****Black China.****No. 3480.**  
(Registered.)**Key for**  
**No. 3480.**  
**-/4 each.****Brass Cover.**

Prices of our Registered Pattern

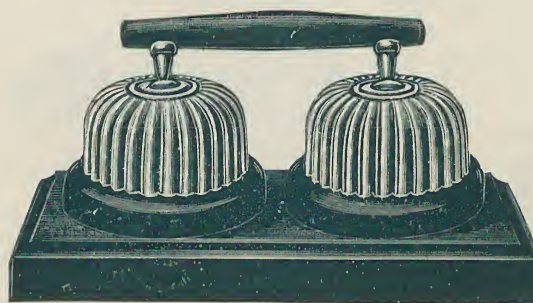
**Longbreak Tumbler Switches.**

Per Dozen.

Size.	Ampere.	Cream Base, with Brass Cover.	Black Base, with Brass Cover.	Cream China Base and Cover.	Black China Base and Cover.	Extra for Three Gold Lines.
		<b>No. 3476.</b>	<b>No. 3477.</b>	<b>No. 3478.</b>	<b>No. 3479.</b>	
2 in.	1 to 4	<b>14/-</b>	<b>15/-</b>	<b>15/6</b>	<b>16/6</b>	<b>3/6</b>
2½ "	5 to 8	<b>16/6</b>	<b>17/-</b>	<b>17/6</b>	<b>18/6</b>	<b>3/6</b>
3 "	8 to 12	<b>24/-</b>	<b>25/-</b>	<b>26/-</b>	<b>26/6</b>	<b>4/-</b>
2½ "	5 to 8	<b>26/-</b>	<b>26/6</b>	<b>27/-</b>	<b>28/-</b>	<b>3/6</b>

**Double Pole** Tumbler Switches (Social), mounted on Teak Block, with Handle-bar, No. 3476 to 3479, **2/-** per pair extra.**No. 3481.****DOUBLE POLE.****Link Tumbler Switches.**

2 Tumblers, linked by a bar of wood,  
and mounted on a Polished  
Wood Base.

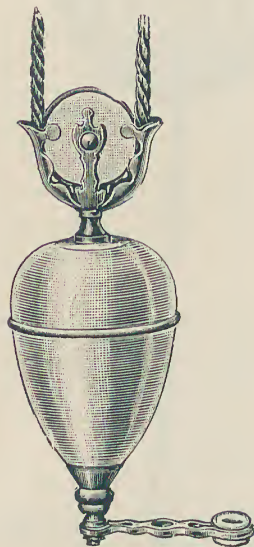
**PRICES.**

	Carrying Capacity.	With Brass Cover.	With China Cover.
<b>No. 3481.</b>	5 Amps.	<b>5/3</b> each.	<b>6/6</b> each.
<b>No. 3482.</b>	10 "	<b>8/3</b> "	<b>8/9</b> "
<b>No. 3483.</b>	20 "	<b>12/6</b> "	<b>13/6</b> "

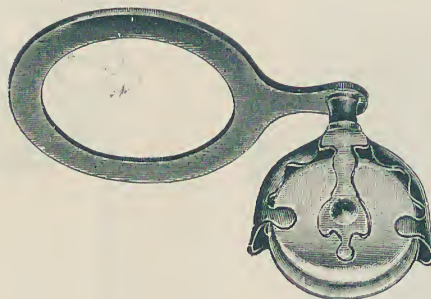
**Awards for Excellence of Machines and Tools :**



## COUNTER WEIGHTS, Etc.



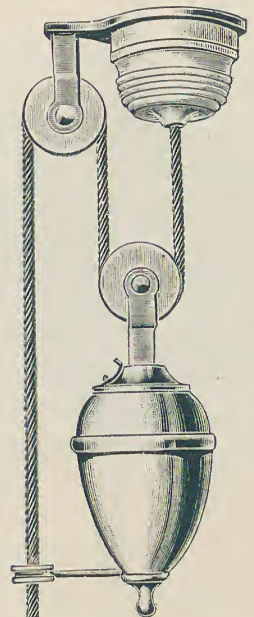
No. 3510.



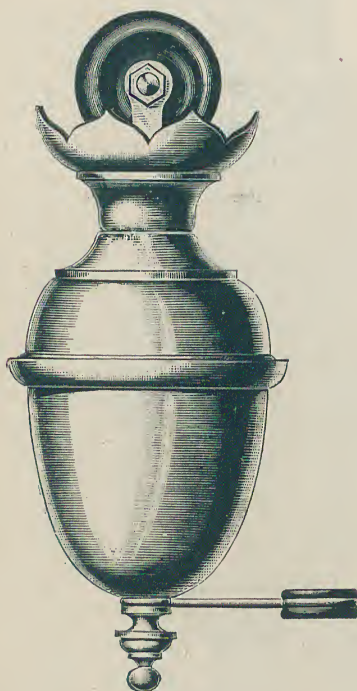
Prices.

No. 3510.	Ivory China	...	...	...	2/3	each complete.
"	3511. Black	"	...	...	2/9	" "
	Extra for 3 Gold Lines	...	...	...	-/6	" "
"	3512.	{ Stamped Brass Weight, Pulley, } Pulley, Frame, and Guide			2/3	" "

No. 3512.  
Stamped Brass Weight.



No. 3513.



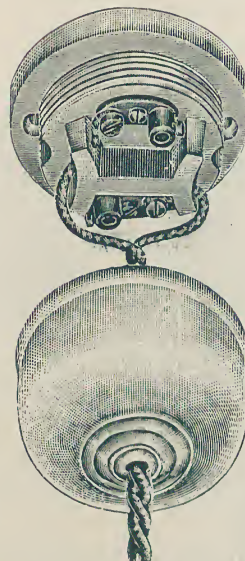
Brass Counterweight.

Holds 2 lb. of Shot.

The Apertures are Opened and Closed on the ventilator system.

Price 1/3 each.

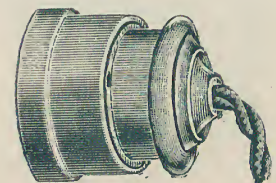
No. 3514.



2 1/2 in. Ceiling Rose.

No. 3514.	Cream China	...	8/-	per doz.
"	3515. Black	"	8/9	"
	Extra for 3 Gold Lines	...	4/-	"

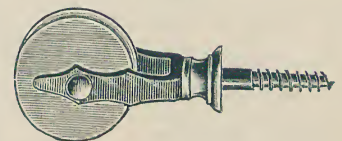
No. 3516.



Registered Wall Plug.

No. 3516.	Cream China	...	2/3	each.
"	3517. Black	"	2/6	"

No. 3518.



Pulley with China Wheel.

Sizes	...	1 1/2	2	3 in.
Prices	...	-/8	1/-	2/3 each.

No. 3520.

1 1/8 in. Hole.



OPAL & ENAMELLED IRON SHADES.

No. 3519.

Sizes 6 8 9 10 12 15 in.

Glass Opal, 4/6 5/3 5/6 6/- 10/6 24/- per doz.

No. 3520.

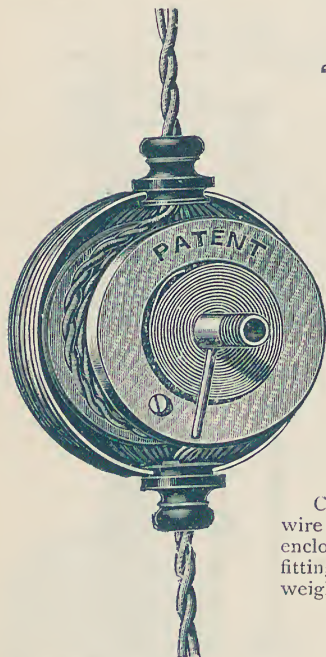
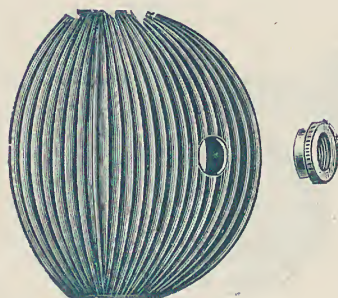
Enamelled, White inside, Blue outside.

Sizes 6 8 9 10 12 15 in.

5/9 5/9 6/6 7/3 11/6 20/- per doz.

Bronze Medal, 1884.—Gold Medal, 1890.

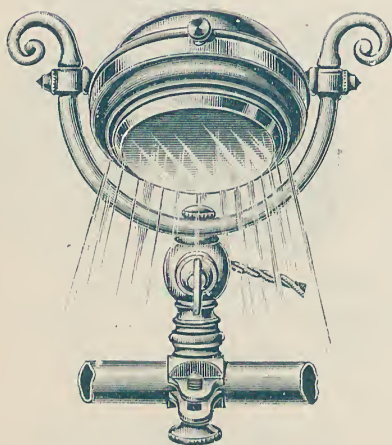


**ADJUSTABLE CORD PENDANTS.****No. 3521.****"Auto" Cord Absorber.**

Counterweights entirely dispensed with. The wire is wound automatically on to a Spring Drum, enclosed in an Ornamental Fluted Cover. The fitting can be adapted for shades of varying weights by altering the Tension of the Spring.

Price, 3 in. ... 6/- each.

" 3½ " ... 6/9 "

**No. 3523.**

Drawn One-fourth Scale.

**Bedstead Fitting,**

For clipping to top rail of Bedstead.

The Lamp Container can be tilted at any angle, and the whole fitting turned on its axis into any position.

The light therefore can be thrown on to a book or other object, leaving the rest of the room in darkness.

Fitted with 5 c.p. lamp of 60, 100, 110, or 200 volts as desired.

Price ... 27/6 each.

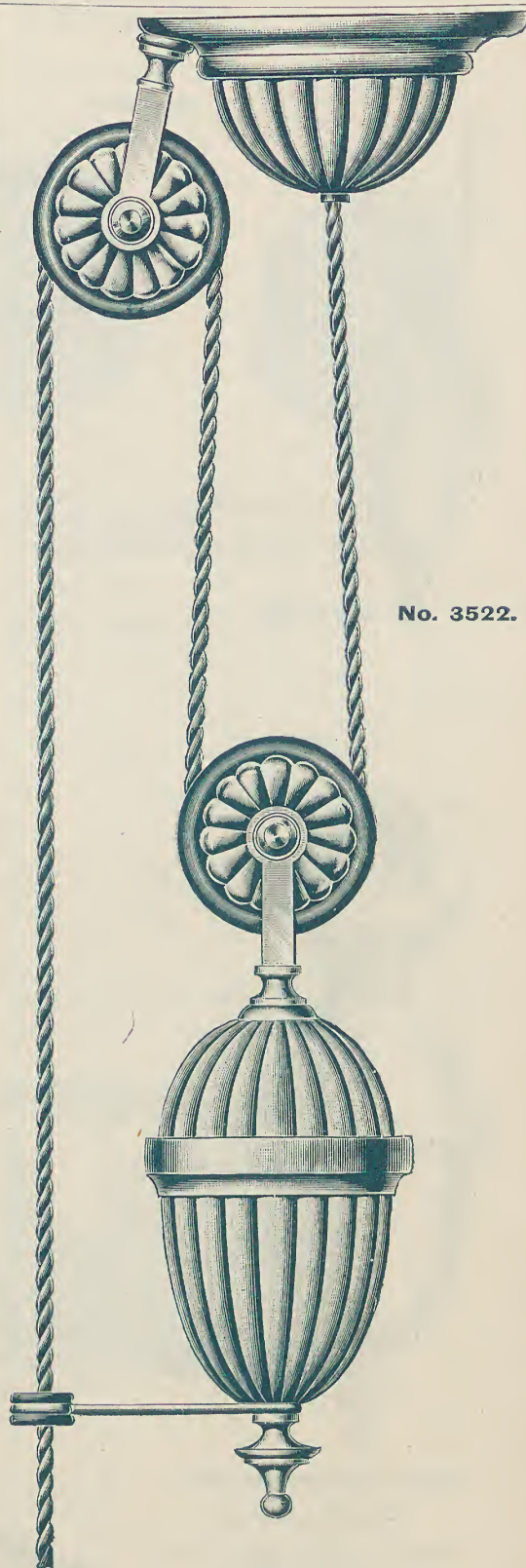
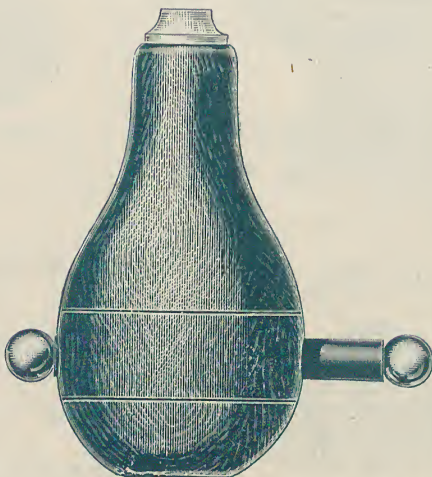
**No. 3524.****Pear Switch.**

Supplied in ordinary and small size, and also in two-way for use in Corridors or Staircases, etc.

In Polished Cocus or Ebony.

Price one-way ... 4/- each.

" two " ... 6/6 "

**No. 3522.**

Half Size,  
Polished Brass, Complete.

Price ... 7/6 each.

**Awards for Excellence of Machines and Tools :**



## DISTRIBUTING BOARDS,

Fitted with Tumbler Switches and Milled Nut Fuse Terminals.

These boards are made of Polished Teak, fitted with Lever Locks, and are mounted on enamelled slates separated by a strip of polished vulcanized fibre. The slates are all insulated from the battens by ebonite bushes. Only the best quality Tumbler switches are used, and the bus bars and fuse terminal plates are all of gun metal, finished and lacquered.

### PRICES.

#### Single Pole Boards in Teak Cases.

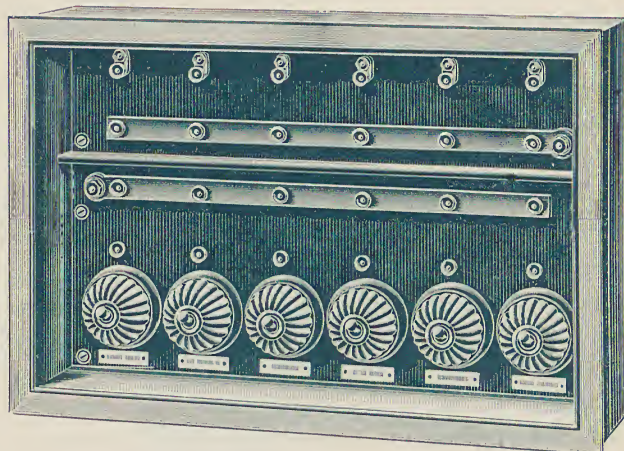
	2 Way.	3 Way.	4 Way.	5 Way.	6 Way.	Above 6 way per way.
5 Amp. Ways...	27/-	32/6	40/-	43/-	53/-	8/6
10 " " ...	34/-	46/-	56/-	67/-	77/6	13/-
20 " " ...	53/6	72/-	89/6	107/-	126/-	21/-

#### Double Pole Boards in Teak Cases.

##### S.P. Switches. D.P. Fuses.

5 Amp. Ways...	40/-	48/-	55/-	63/-	70/-	11/6
10 " " ...	49/-	62/-	73/6	84/-	97/-	16/6
20 " " ...	70/-	88/-	108/-	128/-	147/-	25/-

### No. 3527.

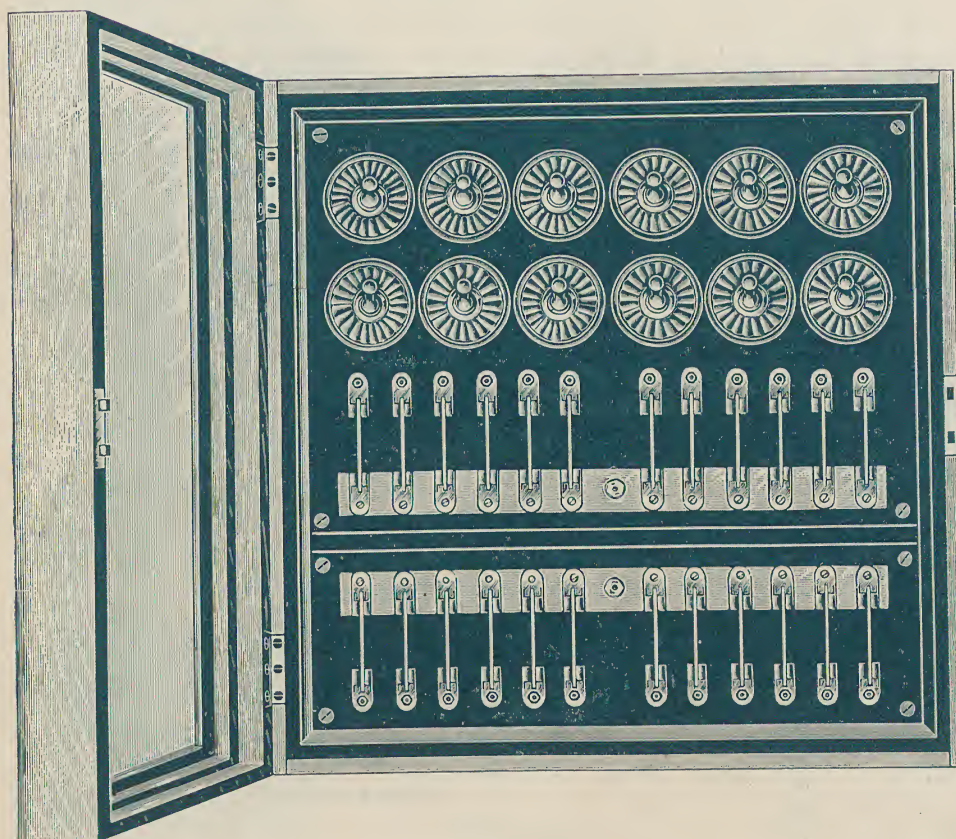


Fitted in Polished Teak Case, with Glass Front, Lock and Key.

Ivory Circuit Labels, 1/9 per way extra.

Back or Front Sweating Sockets, prices the same for either.

### No. 3528.



(One-fifth full size.)

Single Pole Switches and Double Pole Fuses, mounted on Enamelled Slate, in Polished Teak Case, Hinged, with Lock and Key.

No. of ways.	5 Amperes.	8 Amperes.	10 Amperes.
1 ...	20/3	22/6	28/-
2 ...	28/-	32/6	40/-
3 ...	35/6	40/-	52/-
4 ...	42/-	48/-	63/-
5 ...	49/6	56/6	73/6
6 ...	57/-	64/-	86/-
7 ...	66/-	73/-	98/-
8 ...	71/-	81/-	110/-
9 ...	78/-	89/-	120/-
10 ...	85/6	98/-	133/-
11 ...	92/6	106/6	145/-
12 ...	99/-	116/-	156/-

Bronze Medal, 1884.—Gold Medal, 1890.



**ACME PATENT SWITCHES.****Single Pole.****No. 3529.**

The "Acme Patent Switch" has now been on the Market for a number of years, and during that time it has gained for itself, as a low tension switch, a reputation which is absolutely unequalled.

In order to meet the increasing demand it has become necessary to remodify and standardise every detail, so that the parts can be manufactured in quantities, and to enable this to be done, a most complete set of standard gauges, templates, and special tools have been designed and prepared.

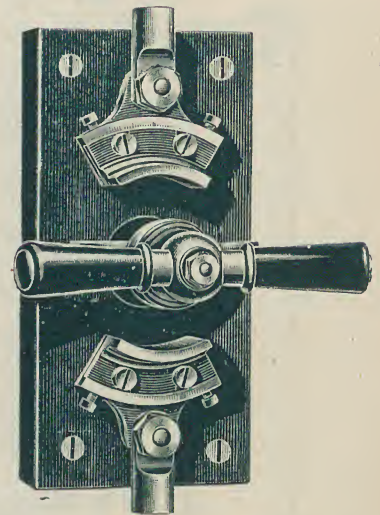
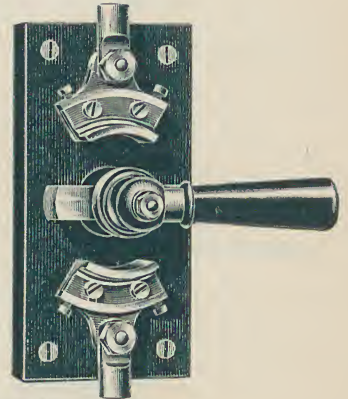
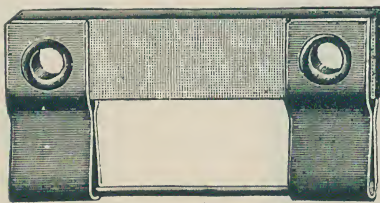
All parts are now interchangeable, and owing to the system of manufacture we are pleased to be able to give our customers the advantage of a reduction in price of many of the sizes.

The contact and terminal plates are gun metal, and the brushes are of hard rolled stencil copper, re-enforced by phosphor bronze outside plates. The current density allowed for the contact area is well under 300 amperes per square inch, and the system employed in the manufacture ensures a perfect contact between the surfaces without relying on hand labour in fitting the parts together.

The switch turns on a steel spindle, and the lever handle is fitted over a steel pin extending nearly its whole length, and securely locked so that it cannot work loose.

**PRICES.**

To Carry	Fitted with Terminals. A or B.	Fitted with Terminals. C.
	£ s. d.	£ s. d.
15 Amperes ... ..	0 9 0	0 11 0
20 " ... ..	0 14 0	0 16 0
30 " ... ..	0 19 0	1 1 0
50 " ... ..	1 4 6	1 7 0
75 " ... ..	1 9 6	1 12 9
100 " ... ..	1 13 6	1 18 0
150 " ... ..	2 0 0	2 6 0
200 " ... ..	2 10 0	2 17 6
300 " ... ..	3 3 6	3 12 6

**No. 3530.**

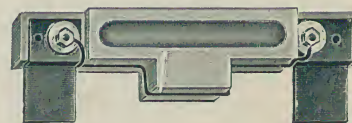
A.....B

Fibre.

Measured from A to B.

	Break.	Dozen.
Up to 20 Amperes ... ..	1 1/4 ins. ...	2/-
" 25 " ... ..	1 3/4 " ...	2/6
" " ... ..	1 3/4 " ...	9/-
" 50 " ... ..	2 3/4 " ...	11/-
" " ... ..	3 " ...	14/-

Above are supplied Wired.

**BRIDGE  
FUSES.****No. 3531.**

China.

**Spare Fuses.**

1 3/4 inch break ... ..	5/- dozen.
1 1/4 " " ... ..	6/- "

**Awards for Excellence of Machines and Tools:**



## PATENT SWITCHES.

### DOUBLE AND TRIPLE POLE.

Mounted on Enamelled Slate, Fitted in Polished Teak Cases.

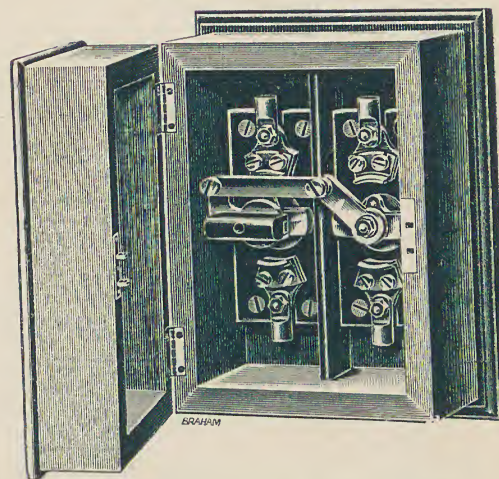
No. 3532.

Slates kept from contact with case by ebonite insulators.

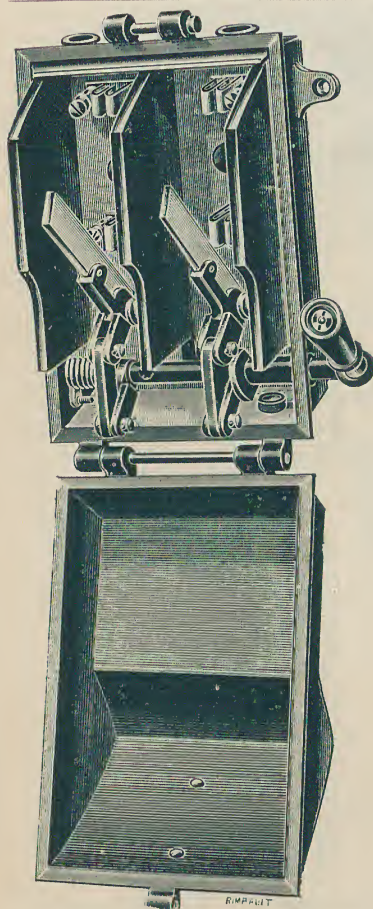
Specially recommended for high insulation resistance.

PRICES OF DOUBLE POLE SWITCHES.

To Carry	Without Fuses.	With Fuses.
15 Amperes ... ..	36/-	48/-
20   "   ... ..	51/-	67/6
30   "   ... ..	63/-	84/-
50   "   ... ..	76/-	102/-
75   "   ... ..	89/-	120/-
100   "   ... ..	99/-	142/-



Double Pole Switch in Case.



## DOUBLE POLE KNIFE SWITCHES.

### IN CAST-IRON CASES.

No. 3533.

FOR PRESSURES UP TO 550 VOLTS.

The contact clips are made of hard-rolled phosphor bronze, and the knife blades of hard-drawn copper, all current-carrying parts being mounted on porcelain.

Parts not carrying current are made of malleable iron, finished only where necessary and stove enamelled.

The switch has a rapid quick break action and is mounted in an enamelled cast iron case with hinged cover, as shown in the illustration, fastened at the top by means of a bolt which may be sealed.

Screwed boxwood bushes are fitted in the holes provided for the cables, the thread used being  $\frac{1}{2}$ -in. gas, so that where cables are run in barrel the bushes may be removed and the barrel screwed into the box.

To carry up to 20 amperes, 40/- each.

"	"	30	"	50/-	"
"	"	100	"	94/-	"

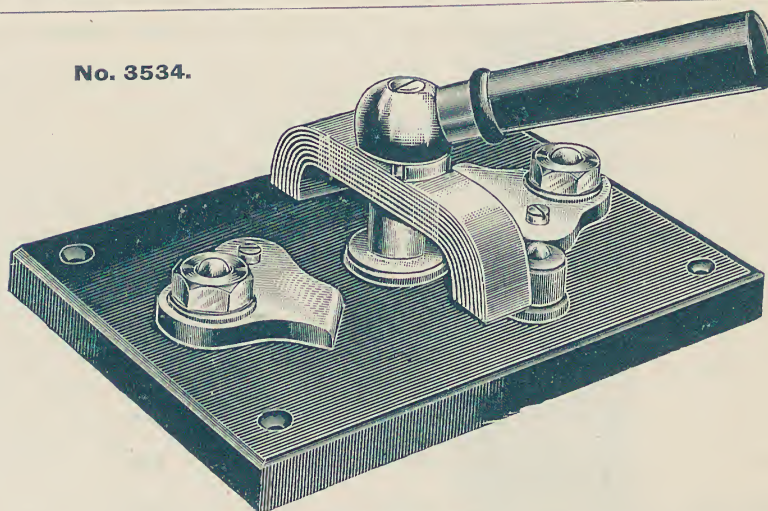
Bronze Medal, 1884.—Gold Medal, 1890.



**QUICK BREAK MAIN SWITCHES.**

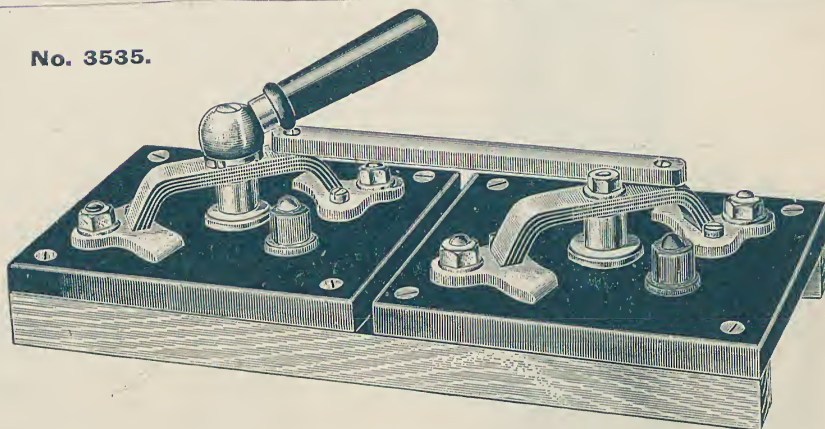
Mounted on Enamelled Slate Base.

PRICES EACH.

**No. 3534.**

120 AMPERES. (Half full size.)

	SINGLE POLE.			
	PLAIN.	Extra for Case.	WITH FUSE.	Extra for Case.
10 Amperes	7/-	5/-	9/-	6/-
25 "	10/6	7/-	13/6	8/-
50 "	13/6	8/-	16/-	9/-
120 "	22/6	10/-	28/6	11/3
200 "	33/-	13/-	41/-	15/6
400 "	53/-	20/-	69/-	22/-

**No. 3535.**

50 AMPERES. (Half full size.)

	DOUBLE POLE.			
	PLAIN.	Extra for Case.	WITH FUSE.	Extra for Case.
10 Amperes	17/-	7/6	21/-	9/-
25 "	25/-	9/-	32/-	10/6
50 "	33/-	12/-	41/-	13/-
120 "	50/-	15/-	60/-	16/-
200 "	71/-	20/-	87/-	22/-
400 "	117/-	31/-	140/-	34/-

**INSULATORS AND BUSHES.****No. 3536.**

	Ebonized.	Vegetable Ivory.	Real Ivory.
$\frac{3}{8}$ in. ...	9/-	10/-	36/- per Gross.
$\frac{1}{2}$ in. ...	10/-	14/-	48/- "

**No. 3537.**

$\frac{3}{8}$ in. ...	9/-	10/-	36/- "
$\frac{1}{2}$ in. ...	10/-	14/-	48/- "

**No. 3538.**Plain Bush.  $\frac{3}{8}$  in. Black or White Bone 12/- "**INSULATING EYES.****No. 3540.****No. 3541.**

Plain.



Slotted.

(Full size.)

Long Ceiling Eyes.

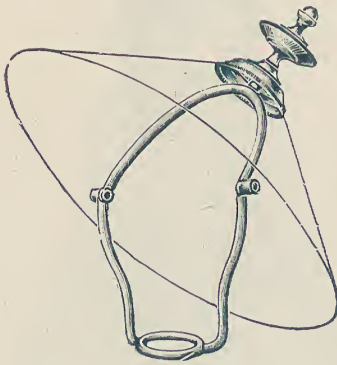
No. 3540. 2/6 doz.  
" 3541. 3/- "

Awards for Excellence of Machines and Tools :



## ELECTRICAL FITTINGS.

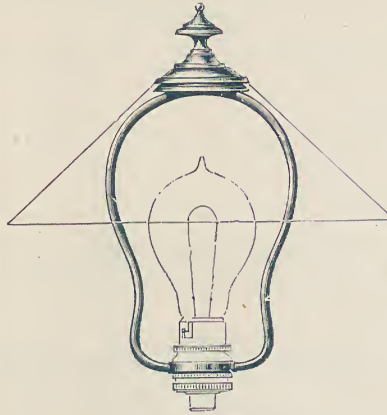
No. 3542.



### Patent Shade Tilter,

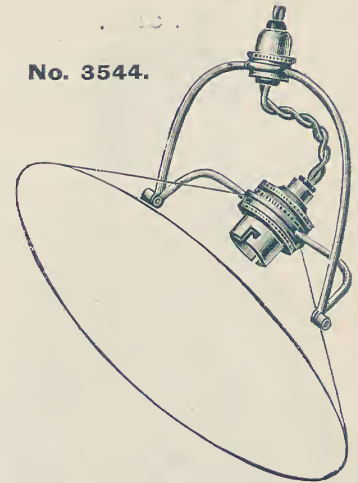
For screening the eyes from glare of lamp.  
N.B.—The shade can be set at any angle.  
Price  $2\frac{2}{3}$  each.

No. 3543.



To fit Ediswan Holder.  
Price  $1\frac{1}{6}$  each.

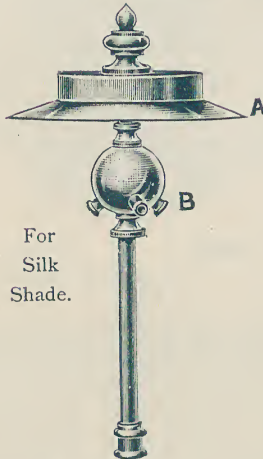
No. 3544.



### Tilter for Picture Galleries, etc.

The frame swivels round the cord-grip, so  
light can be reflected in any direction.  
Price  $2\frac{2}{9}$  each.

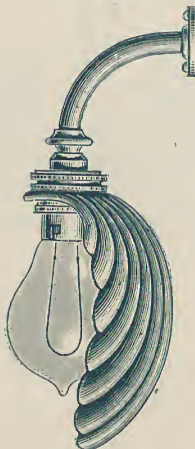
No. 3545.



For  
Silk  
Shade.

Screwed  $\frac{1}{2}$  inch. Price 6/- each.

No. 3550.



### Nickel-plated Shell Reflector and Bracket.

Price 3/- each.

## CANDLE FITTINGS.

Fittings complete with either  $\frac{3}{4}$  or 1 in.

Opal Candle and Holder.

Each.

4 5  $5\frac{1}{2}$  6 inch.

No. 3546.  $2\frac{10}{11}$   $2\frac{11}{11}$  — 3/- Best Candles.

No. 3547.  $2\frac{1}{1}$   $2\frac{2}{3}$   $2\frac{4}{4}$   $2\frac{5}{5}$  Common „

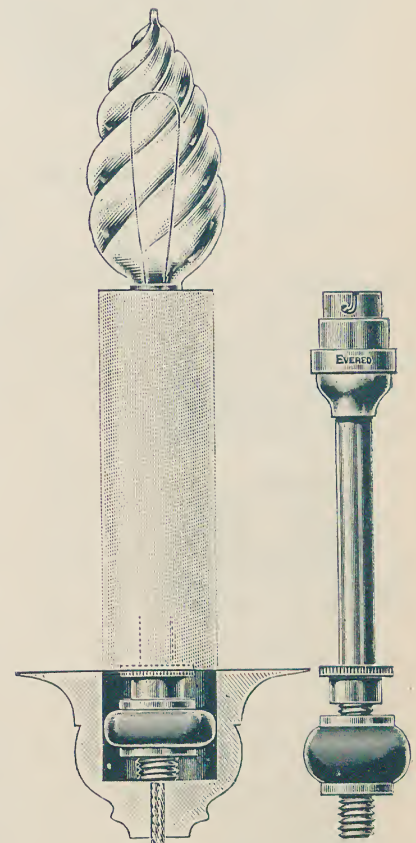
## OPAL CANDLES ONLY.

Per dozen.

4 5  $5\frac{1}{2}$  6 inch.

No. 3548.  $2\frac{3}{3}$   $2\frac{4}{4}$   $2\frac{5}{5}$   $2\frac{6}{6}$  Common.

No. 3549. 12/- 12/- — 12/- Best.



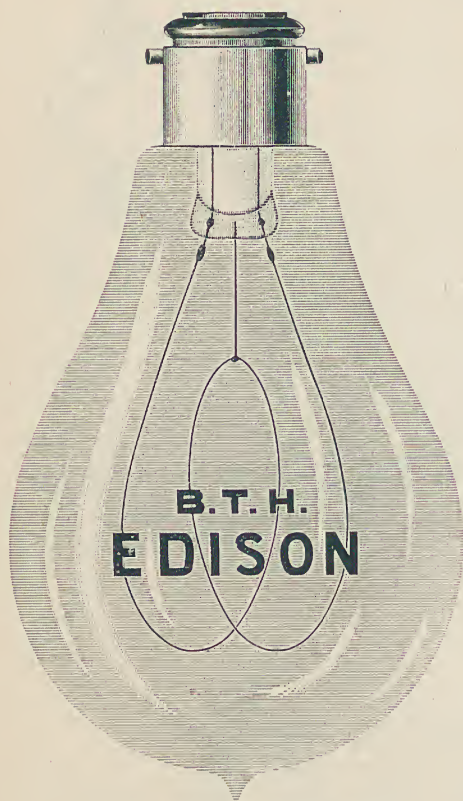
Lamps and Shades Extra except where Priced Complete.

Bronze Medal, 1884.—Gold Medal, 1890.



## ELECTRIC LAMPS.

No. 3551.



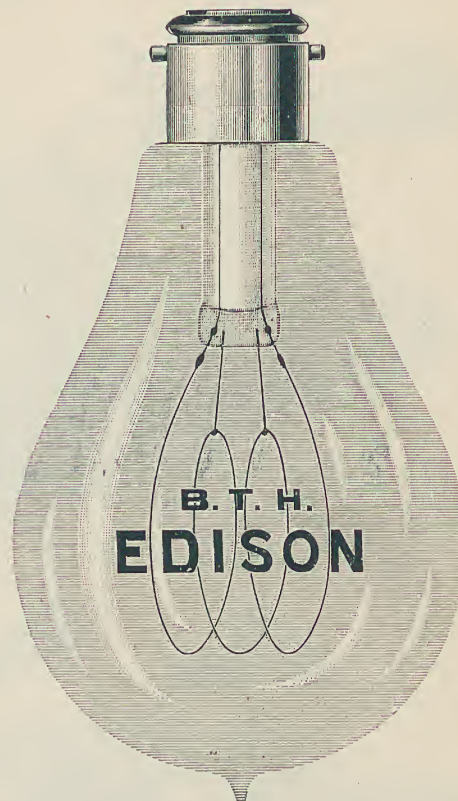
HIGH EFFICIENCY

OF

BEST ENGLISH

MANUFACTURE.

No. 3553.

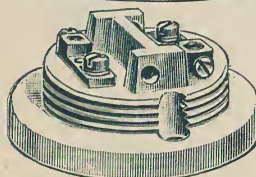
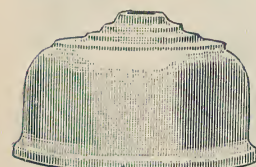
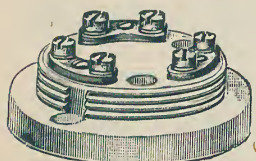


100 Volt. **No. 3551.** Full size.  
 8, 16, or 25 cp. up to 120 Volts ...  $1/2\frac{1}{2}$  each; **13/9** per doz.  
 32 cp. " ...  $1/5$  " **16/9** "  
 Obscured,  $1/-$  each extra.  
 Ordinary Quantity.

**No. 3552.** 5, 8, 16, 32 up to 120 Volts,  $1/-$  each; **10/-** per doz.

200 Volt. **No. 3553.** Full size.  
 8, 16, or 25 up to 220 Volts ...  $1/3$  each; **14/-** per doz.  
 32 cp. " ...  $1/6$  " **17/6** "  
 Obscured,  $1/-$  each extra.  
 Ordinary Quantity.

**No. 3554.** 5, 8, 16, 32 up to 220 Volts,  $1/-$  each; **11/-** per doz.



## CEILING ROSES.

## LOW VOLTAGE PATTERNS.

No. 3555.

China Base and Cover, three Brass Terminals, two Lead-in Holes.

$2\frac{1}{2}$  in. base. Price per dozen, **5/4**

## LOOP IN PATTERNS.

No. 3556.

High Voltage.

China Base and Cover, two direct Wiring Brass Terminals with large Lead Holes in China and Brass parts, H formation China Wall with Cord Grip arranged. This Ceiling Rose is to be recommended where Loop in Wiring is carried out.

$2\frac{1}{2}$  in. base. Price per dozen, **6/-**

Awards for Excellence; of Machines and Tools.

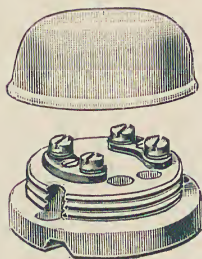


## CUT-OUTS.

### LOW VOLTAGE PATTERNS.

#### Bow Type.

Cream or Black China Base and Cover, two Brass Terminals, and two Lead-in Holes.



SINGLE POLE.

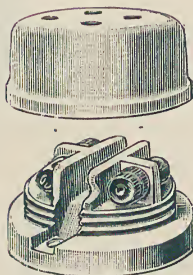
No.	Size.	Price per dozen.	Diameter of Base.
<b>3558</b>	5 amperes.	<b>4/9</b>	2 inch.

### HIGH VOLTAGE PATTERNS.

#### Bow Type.

Cream or Black China Base and Cover, two Direct Wiring Brass Terminals and two Lead-in Holes, China Walls forming Fuse Chamber, with Ventilated Cover and Chamber.

Registered No. 349,252.

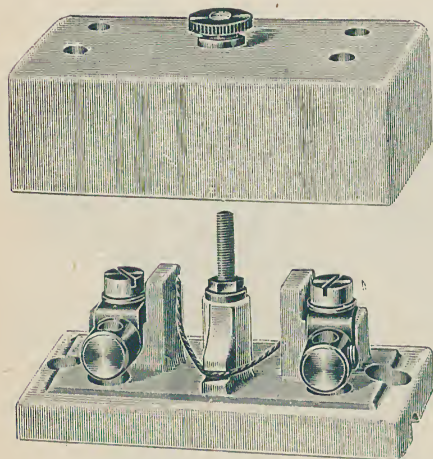


SINGLE POLE.

No.	Size.	Price per doz.	Diameter 2 inch.
<b>3559</b>	5 amperes.	<b>6/-</b>	

#### Oblong Type.

Cream China Base and Cover, two Brass Terminals and two Lead-in Holes, China Partitions, and length of break sufficient to meet all requirements.



SINGLE POLE.

No.	Size.	Price per dozen.	Dimensions.
<b>3560</b>	5 amperes.	<b>9/-</b>	$2\frac{3}{4} \times 1\frac{1}{2}$ inch.
<b>3561</b>	10 "	<b>10/6</b>	$3\frac{1}{4} \times 1\frac{1}{2}$ "
<b>3562</b>	20 "	<b>14/6</b>	4 × 2 "
<b>3563</b>	30 "	<b>19/9</b>	5 × $2\frac{1}{4}$ "
<b>3564</b>	50 "	<b>40/-</b>	5 × 3 "

#### Oblong Type.

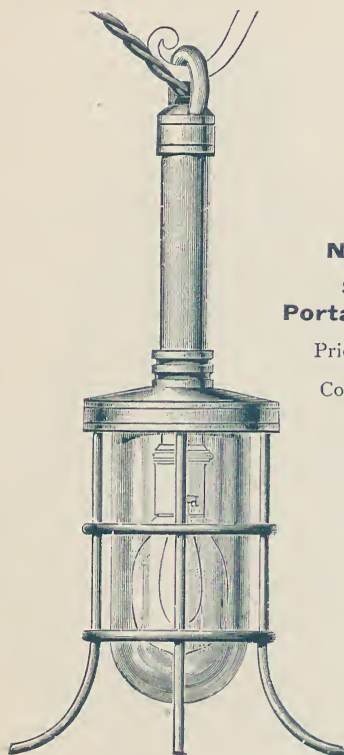
Cream China Base and Cover, four Brass Terminals, and four Lead-in Holes.

DOUBLE POLE.

No.	Size.	Price per dozen, including China Cover.	Dimensions.
<b>3565</b>	5 amperes.	<b>12/9</b>	3 × $1\frac{1}{2}$ inch.
<b>3566</b>	10 "	<b>18/-</b>	4 × 2 "
<b>3567</b>	20 "	<b>24/9</b>	5 × $2\frac{1}{4}$ "
<b>3568</b>	30 "	<b>28/9</b>	5 × $2\frac{1}{2}$ "
<b>3569</b>	50 "	<b>68/-</b>	6 × $3\frac{1}{2}$ "

Bronze Medal, 1884.—Gold Medal, 1890.

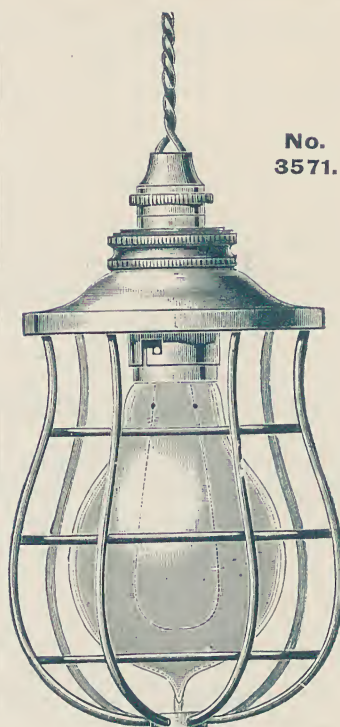


**ELECTRIC WAREHOUSE FITTINGS.**

**No. 3570.**  
**Strong**  
**Portable Lamp.**

Price 10/- each.

Complete with  
Glass.



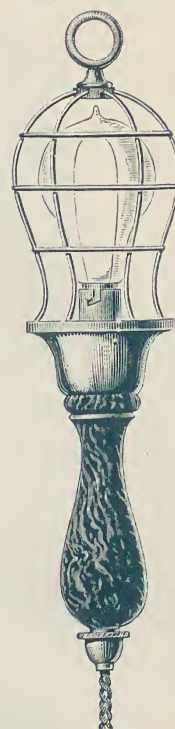
**No.**  
**3571.**

**Bronzed**  
**Lamp Guard**  
**and Cap.**

Drawn  
Half-Scale

Price 1/3 each.

**No. 3572.**



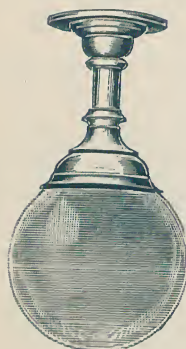
**Portable Lamp.**

Price 4/6 each.

DRAWN ONE-FOURTH SCALE.

**POLISHED OR BRONZED BRASS SHIP FITTINGS.**

**No. 3573.**



Price 4/6 each.

**Suitable for**  
**Cabin or**  
**Saloon.**

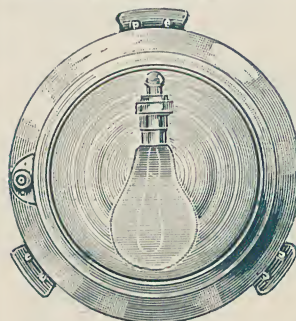
Prices do not include  
Holders or Lamps.

**No.**  
**3574.**



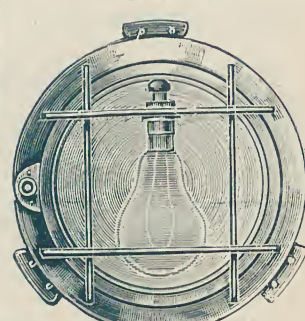
Price 5/6 each.

**No. 3575.**



In Gun Metal, 15/- each.  
In Cast Iron painted  
Reflector. } 5/6 each.

**No. 3576.**



In Gun Metal, 16/6 each.  
In Cast Iron painted Reflec- } 7/-  
tor and Brass Wire Guard. } each.

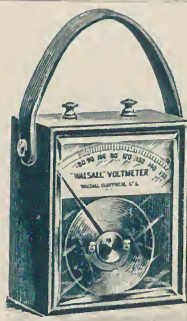
**MEASURING INSTRUMENTS.**

**No. 3577.**

(Size:—5½ by 4½ by 2½ ins.)

Any Readings to :

Volts.	£	s.	d.
10	2	5	0
20	2	12	6
60	3	3	0
100	3	10	0
120	3	12	6
200	4	4	0
400	5	5	0



(Size:—5½ by 4½ by 2½ ins.)

Any Readings to :

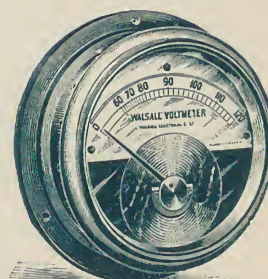
Amps.	£	s.	d.
10	2	2	6
20	2	10	0
60	3	0	0
100	3	7	6
200	4	0	0

In Polished Brass Cases, with Silver  
Dials, and finished in best style.

Any Scale up to :

Volts.	£	s.	d.	Amps.	£	s.	d.
60	3	12	6	20	3	7	6
120	3	17	6	60	3	12	6
200	4	5	0	100	3	15	0
250	4	10	0	200	4	0	0
300	5	0	0	300	4	10	0
400	5	10	0	400	5	0	0

**No. 3578.**



**Awards of Excellence of Machines and Tools :**



## FAN MOTORS.

### 12 in. SOLID FRAME C.C. FAN MOTOR.

No. 3579.

#### SPECIFICATIONS.

Elliptical Frame, Black Enamel Finish.

Four-point Regulating Switch.

12 in. Four-blade Polished Brass Fan.

Polished Brass Guard and Trimmings.

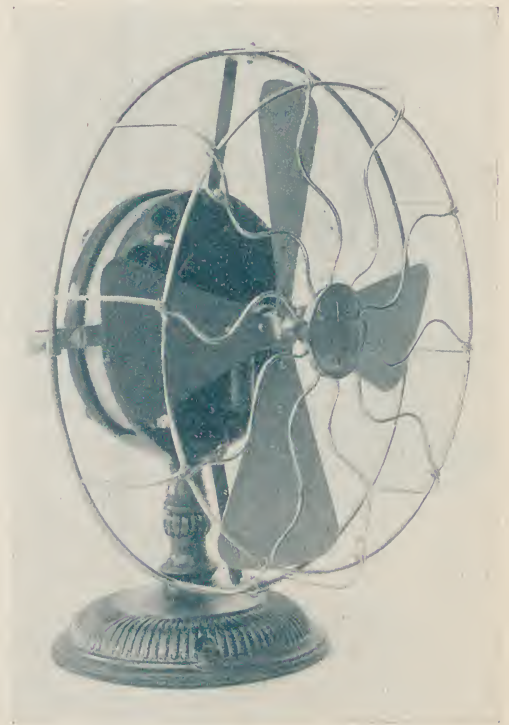
Dust-proof Frame, with Removable Shield, permitting examination of the commutator and carbon brushes.

Motors for circuits of 55 to 65, 73 to 87, 95 to 115, 190 to 230, and 210 to 250 volts.

Motors for Special Voltages and Finishes to order.

**No. 3579.** Up to 120 volts ... .. price **60/-** each.

**No. 3580.** " " 220 ... .. " **65/-** "



### 12 in. SWIVEL AND TRUNNION FRAME A.C. FAN MOTOR.

No. 3581.

#### SPECIFICATIONS.

Swivel and Trunnion Frame, Black Enamel Finish.

12 in. Four-blade Polished Brass Fan.

Six-point Regulating Switch.

Polished Brass Guard and Trimmings.

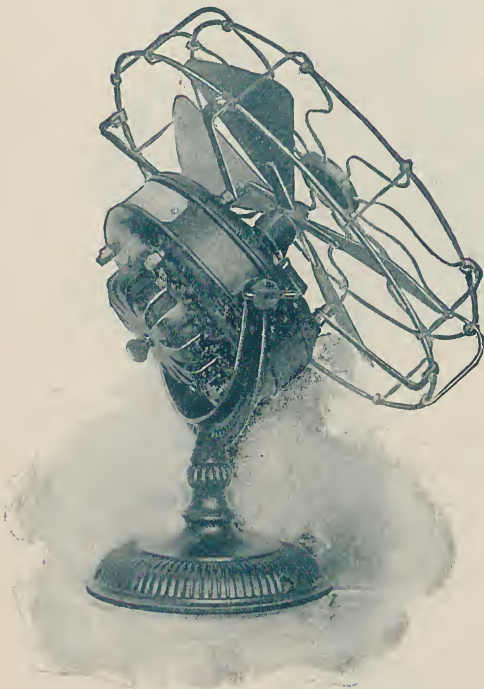
A Positive Notched Clamp secures the Motor to the Trunnion.

Frequencies, 50, 60, 83, 93, and 100 cycles for 95 to 110 volts; and 50, 60, 83, and 100 cycles for 190 to 220 volts.

Motors for Special Cycles, Voltages, and Finishes furnished if desired.

**No. 3581.** Up to 120 volts ... .. price **65/-** each.

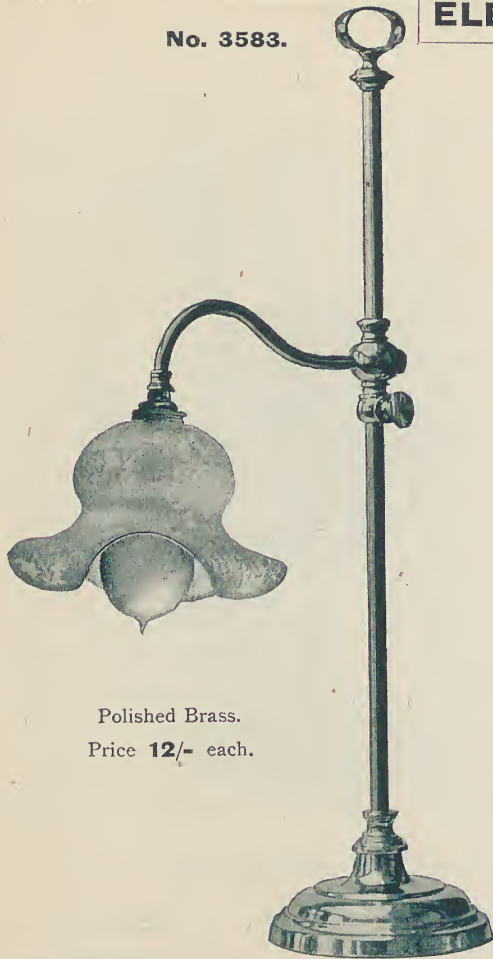
**No. 3582.** " " 220 " ... .. " **70/-**



For Alternating Current a slight extra to above prices.

Bronze Medal, 1884.—Gold Medal, 1890.



**ELECTRIC FITTINGS.****No. 3583.**

Polished Brass.  
Price **12/-** each.



Polished Brass, Ebony  
Pillar.  
Price **15/-** each.

**No. 3584.****No. 3585.**

Polished Brass or Polished Copper **12/-** each.  
Oxidised Silver ... .. **14/6** "



Polished Brass.  
Price **11/-** each.

**No. 3586.**

Shades and Lamp-Holders Extra to above Prices.

**Awards for Excellence of Machines and Tools :**



**ELECTRIC STANDARD LAMPS.**



**No. 3588.**

Ebony Pillar, Corinthian.

Price 6/- each.



**No. 3589.**

Polished Brass.

Price 15/- each.



**No. 3590.**

Polished  
Brass Stand.

Price 6/- each.



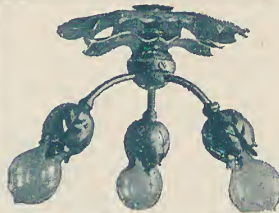
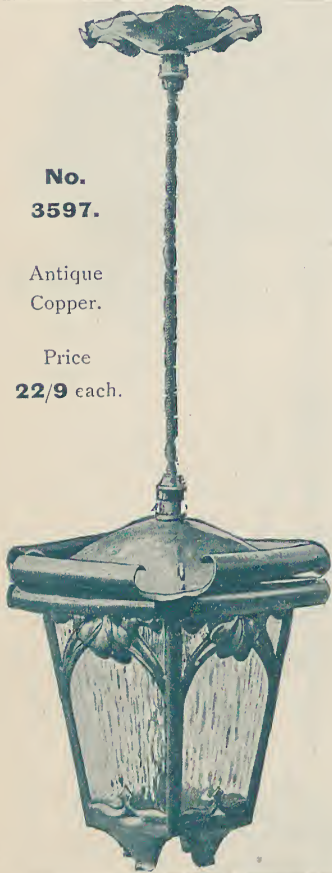
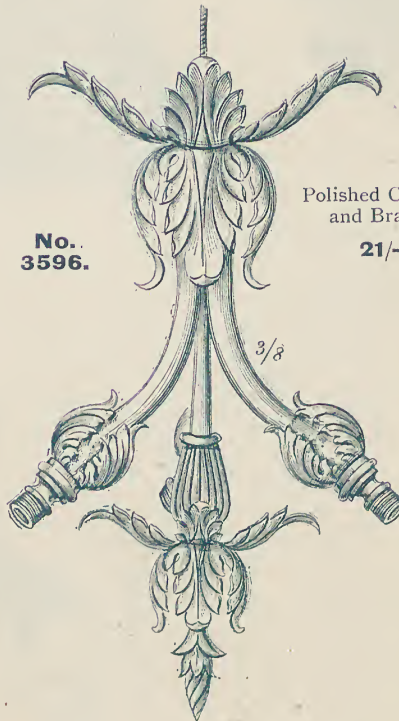
**No. 3591.**

Oxidised Silver,  
without Shade.

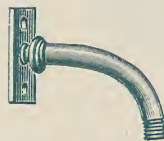
Price 21/- each.

Shades and Lampholders extra to above prices.



**ELECTRIC LIGHT FITTINGS.****No. 3592.**Price **2/6** each.**No. 3593.  
Three-Light  
Ceiling  
Fitting.**Spread 10 in.  
Bright Copper.  
Price **15/-** each.**No. 3594.**Price **4/-** each.**No.  
3597.**Antique  
Copper.Price  
**22/9** each.**No.  
3596.**Polished Copper  
and Brass.**21/-****No.  
3595.**

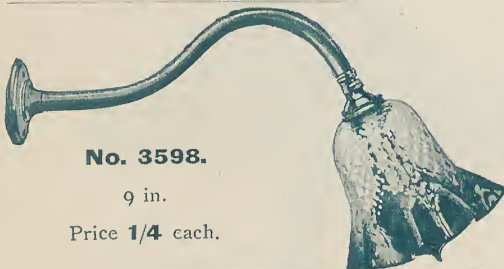
Complete.

**21/-**Not  
Wired.**No. 3599.** $\frac{3}{16}$  x 3 in.Price **-/10** each.**No. 3600.**

9 in.

Price **1/4** each.**No. 3598.**

9 in.

Price **1/4** each.**No. 3602.** $\frac{3}{16}$  x 6 in.Price **-/11** each.**No. 3603.**

6 in.

Price

**1/2** each.**No. 3601**

6 in.

Price **1/2** each.



## ELECTRIC LIGHT FITTINGS.

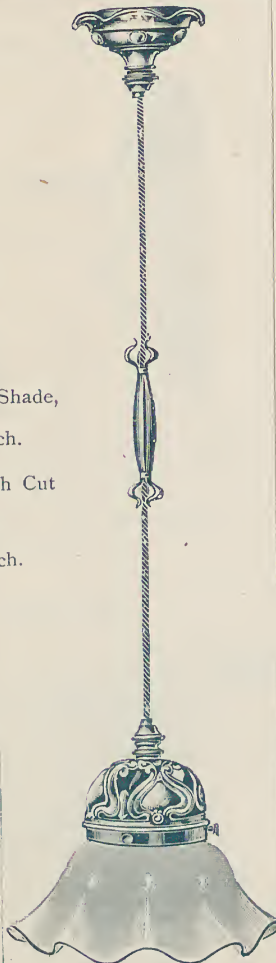
### No. 3604.

Drop Light.  
Polished.  
With Flint Moulded Bulb.  
Price 16/- each.



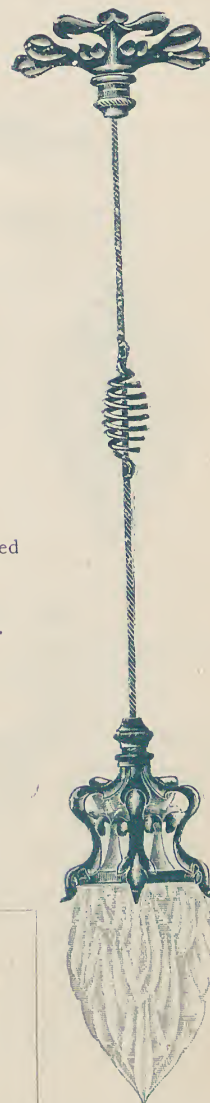
### No. 3605.

Drop Light.  
Polished.  
With Opalescent Shade,  
Price 10/- each.  
With Best English Cut  
Glass Bulb.  
Price 16/- each.



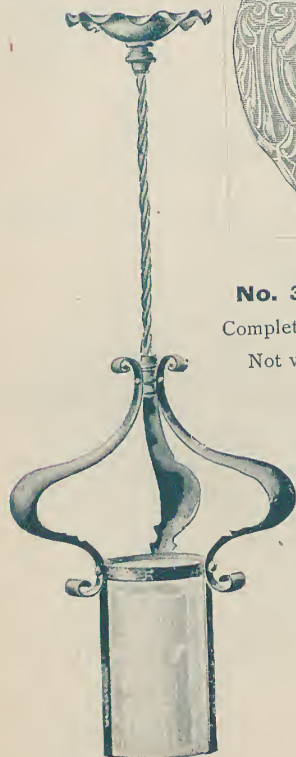
### No. 3606.

Drop Light.  
Polished.  
With Flint Moulded  
Bulb.  
Price 11/- each.



### No. 3607.

Complete, 21/-.  
Not wired.



### No. 3608.

Complete, 12/9



### No. 3609.

Lamp only, 10/-  
Ceiling Plate only, 2/9  
Not wired.



### No. 3610.

Complete,  
14/6  
Not wired.



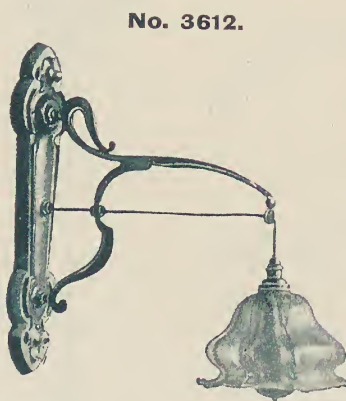


**ELECTRIC LIGHT BRACKETS, ETC.**

**No. 3611.**  
**Polished Brass**  
**Bracket.**

With Holder and  
Flint Moulded Bulb.

Price **13/6** each.



**No. 3612.**

Projection,  $10\frac{1}{2}$  in. Length of Patrass,  $13\frac{1}{2}$  in.

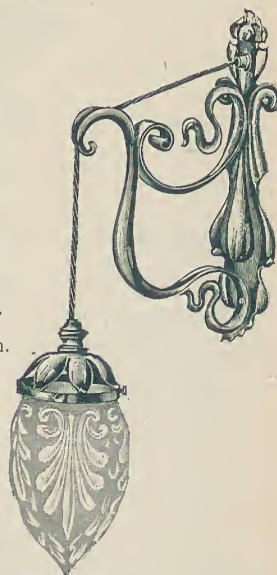
Price **10/6** each.

In polished Brass, Antique Copper, or  
Steel Bronzed.

**No. 3613.**  
**Wrought**  
**Iron**  
**Bracket.**

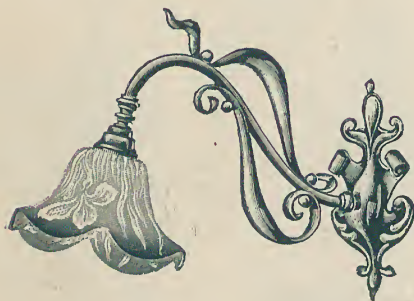
With Holder  
and Flint  
Moulded Bulb.

Price **17/-** each.



**No. 3614.**

Price Polished Bracket ... **10/-** each.  
" Oxidised Silver ... **15/6** "



**Shade.**

Glass extra.

**No. 3615.**

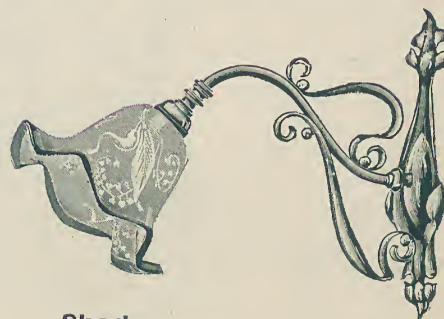


2-Light polished Brass, Copper Mounts.

Price **23/6** each.

**No. 3616.**

**No. 3616.** Price Polished Bracket ... **10/6**  
**No. 3617.** " Oxidised Silver ... **16/-**



**Shade.**

Glass extra

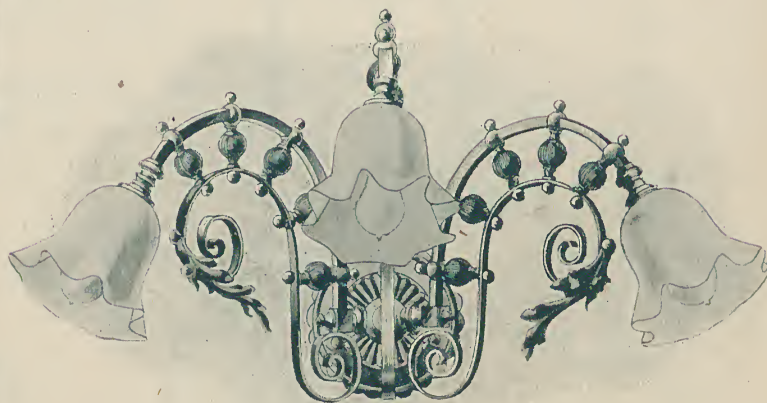
**No. 3618.**



Polished Brass, with Copper Husk,  $12\frac{1}{2}$  in. projection.

Price **5/6** each.

**No. 3619.**



3-Light polished Brass,  $\frac{1}{2}$  in. flat.

Price **50/-** each.

Glasses and Shades extra unless specified.

**Awards for Excellence of Machines and Tools:**



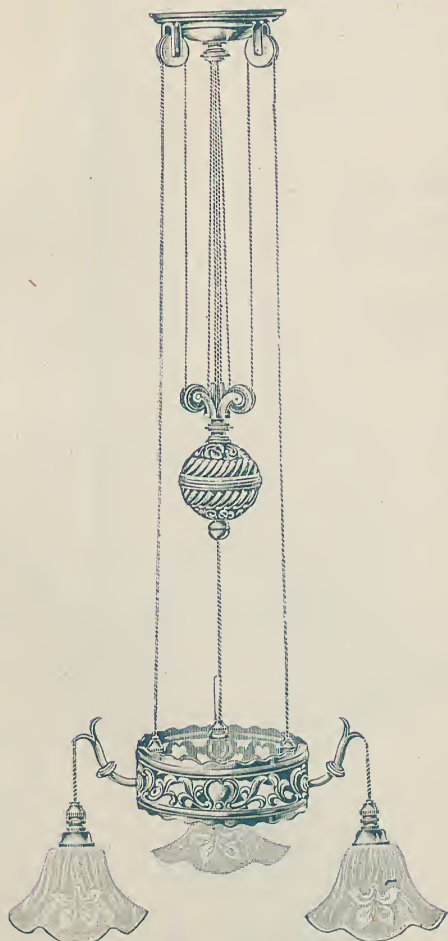
## ELECTRIC LIGHT PENDANTS, Etc.

### No. 3620. 3-Light Sliding Pendant.

Polished.  
With Green Shaded Flint Shades.

Price ... 41/- each.

Price ... Oxidised Silver. ... 49/- each.

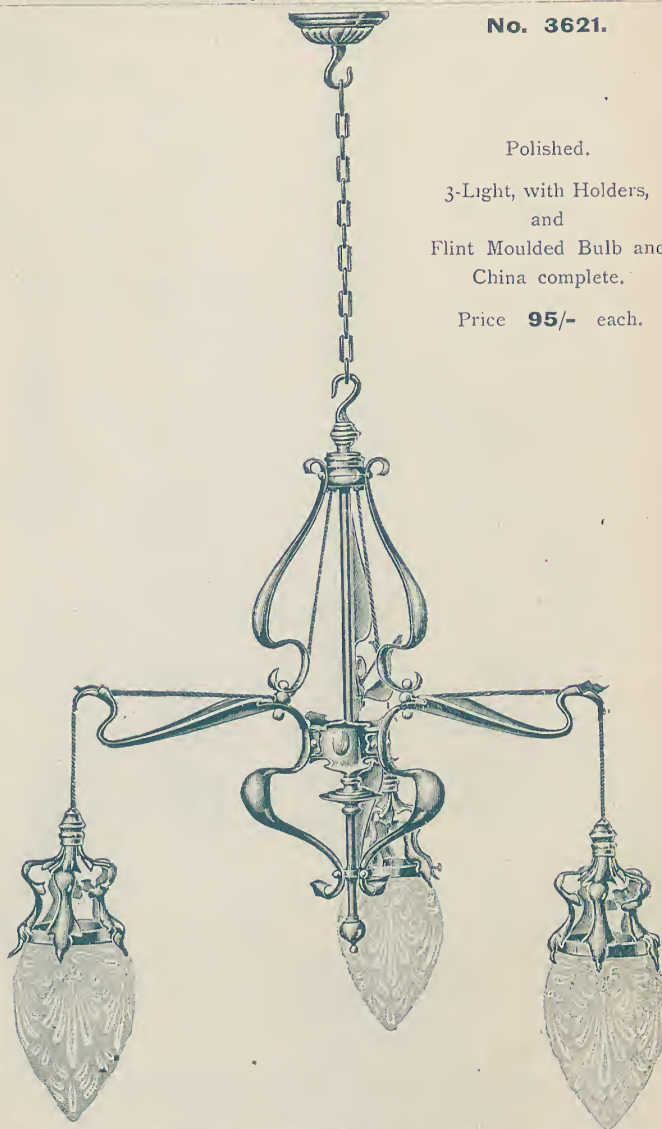


### No. 3621.

Polished.

3-Light, with Holders,  
and  
Flint Moulded Bulb and  
China complete.

Price 95/- each.



## BEST QUALITY OPAL & FANCY GLASS ELECTRIC LAMP SHADES.



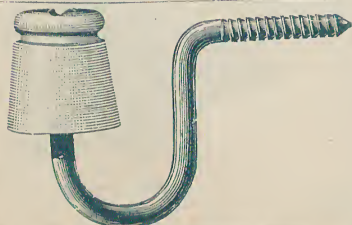
### No. 3622. Opalescent Glass Shade.

Ruby Tinted. Very Recherché.  $1\frac{1}{2}$  in. hole.

Size 7 9 12 in.

No. 3622. 1/6 2/- 3/6 each.

" 3623. Opal Glass -/7 -/8 1/3 "



### No. 3624.

Size,  $2 \times 2\frac{1}{2}$  in.

Price,  
with bolt,  
-/8 each.

### No. 3625.

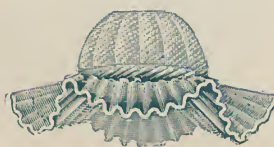


### Clear Glass Shade.

$6 \times 2\frac{3}{4} \times 1\frac{1}{8}$  in.

Price 1/- each.

### No. 3626.

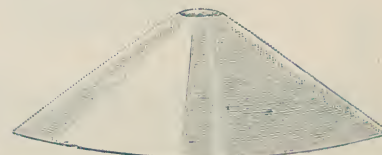


### Plain Frosted Shade.

$6\frac{1}{2} \times 3\frac{1}{4} \times 1\frac{1}{8}$  in.

Price 1/2 each.

### No. 3627.



### Plain Opal Shade. $1\frac{1}{2}$ in. hole.

Size 6 8 9 10 12 in.

Price -/5 -/6 -/7 -/8 -/11 each.

### No. 3628.



### Small Shackle.

Size,  $2 \times 2\frac{1}{2}$  in.

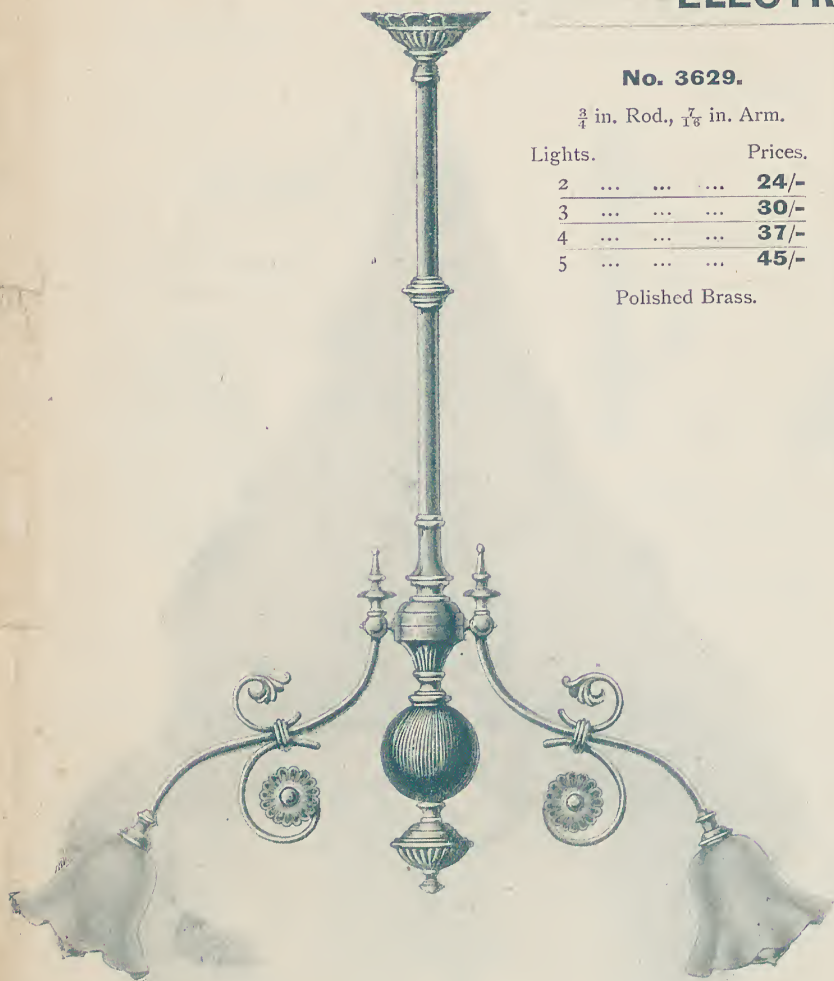
Price, with straps and bolts, -/10 each.  
Ironwork, complete set, -/5.



**ELECTROLIERS.****No. 3629.** $\frac{3}{4}$  in. Rod.,  $\frac{7}{16}$  in. Arm.

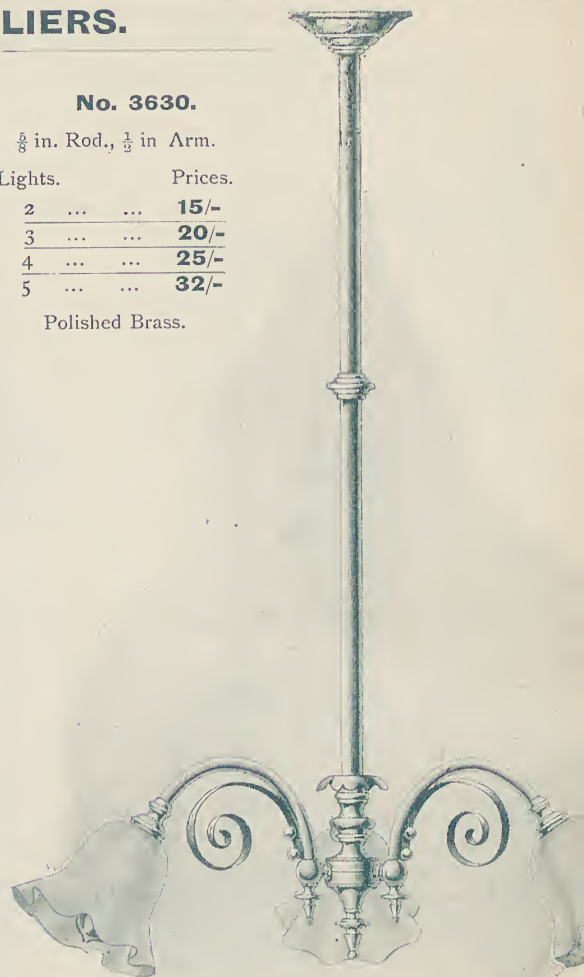
Lights.	Prices.
2 ... ..	<b>24/-</b>
3 ... ..	<b>30/-</b>
4 ... ..	<b>37/-</b>
5 ... ..	<b>45/-</b>

Polished Brass.

**No. 3630.** $\frac{5}{8}$  in. Rod.,  $\frac{1}{2}$  in. Arm.

Lights.	Prices.
2 ... ..	<b>15/-</b>
3 ... ..	<b>20/-</b>
4 ... ..	<b>25/-</b>
5 ... ..	<b>32/-</b>

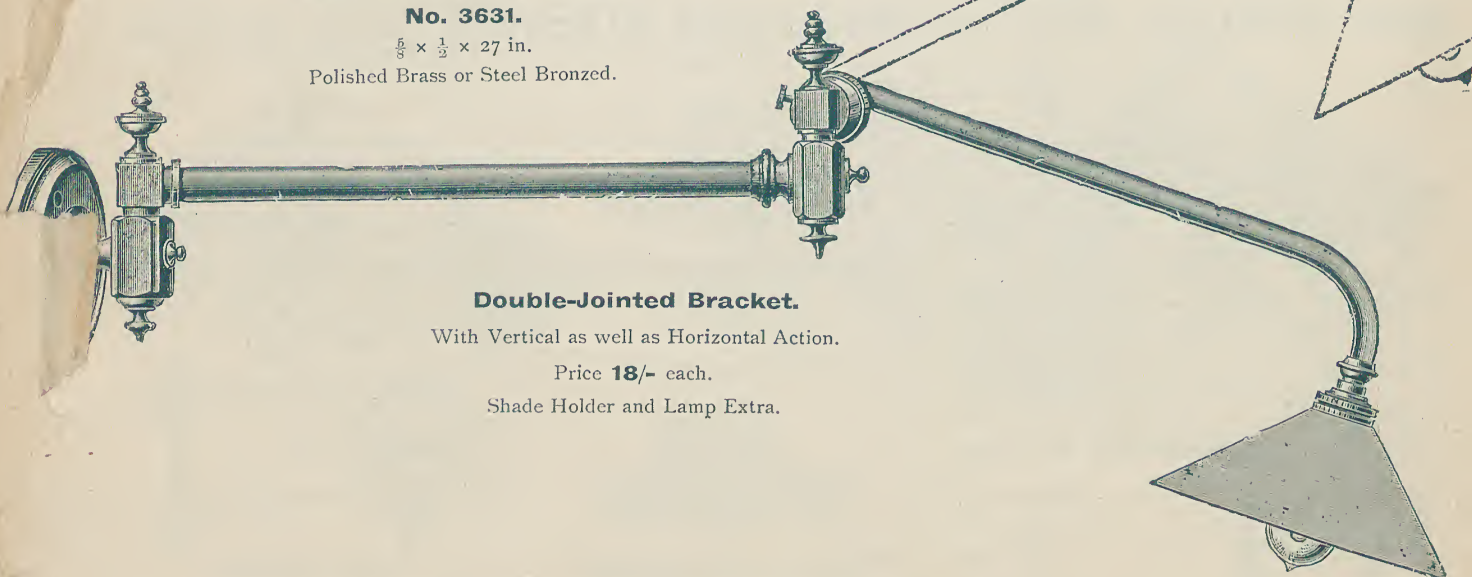
Polished Brass.

**JOINTED BRACKET.**

Drawn One-fourth Scale.

**No. 3631.** $\frac{5}{8} \times \frac{1}{2} \times 27$  in.

Polished Brass or Steel Bronzed.

**Double-Jointed Bracket.**

With Vertical as well as Horizontal Action.

Price **18/-** each.

Shade Holder and Lamp Extra.



## ELECTRIC LIGHT LANTERNS.

### No. 3632.

Polished Brass.  
Price **28/-** each.

Polished Copper.  
Price **30/-** each.

Antique Brass  
or Oxidised Copper,  
Price **32/-** each.

Oxidised Silver.  
Price **35/6** each.

Width 9 in.



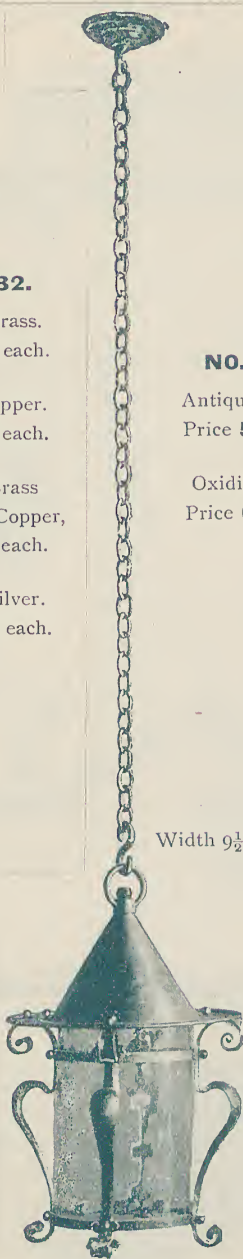
With opalescent  
cylinder.

### No. 3633.

Antique Bronzed.  
Price **52/-** each.

Oxidised Silver.  
Price **63/-** each.

Width 9½ in.



With diamond moulded  
flint cylinder.

### No. 3634.

Polished Brass.  
Price **15/6** each.

Bright Polished Copper.  
Price **16/6** each.

Oxidised Copper.  
Price **17/-** each.

Oxidised Silver.  
Price **20/-** each.

Width 7 in.



With Crackled  
Cylinder.

### No. 3635.

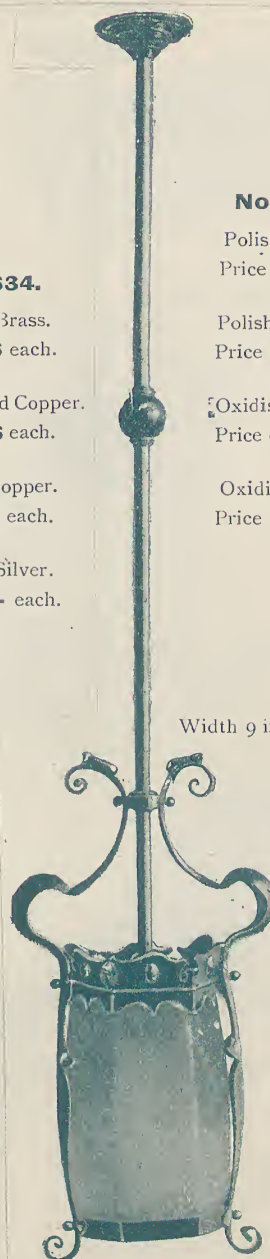
Polished Brass.  
Price **41/-** each.

Polished Copper.  
Price **42/-** each.

Oxidised Copper.  
Price **45/-** each.

Oxidised Silver.  
Price **51/-** each.

Width 9 in.



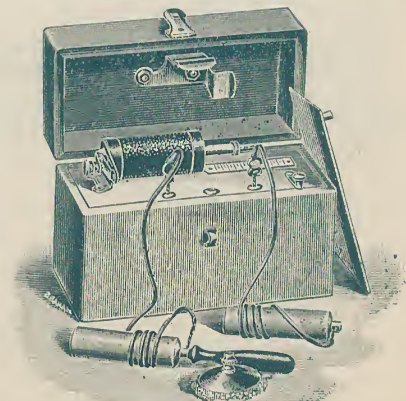
With green or rose cylinder.

## THE "OSMONDE" INDUCTION COIL.

### No. 3636.

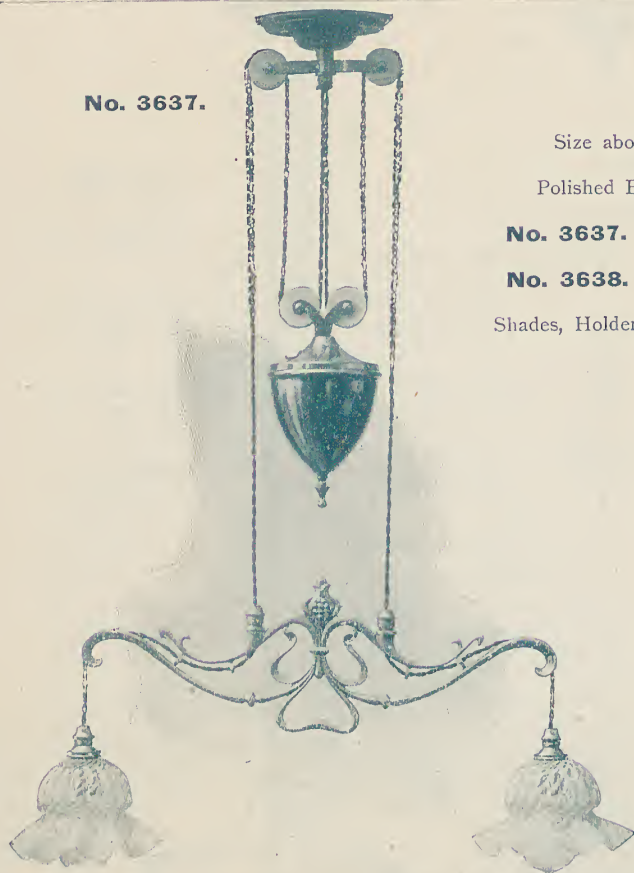
We can recommend this apparatus as thoroughly reliable and efficient, and the low price we are able to offer it for should bring it within the reach of every one. It comprises solid Oak Case, Coil with primary and secondary winding, one No. 2 Dry Cell, Foot and Sponge Electrodes, and two Handles. All fittings heavily nicked.

Induction Coil, complete as described ... .. **15/6**



Bronze Medal, 1884.—Gold Medal, 1890.



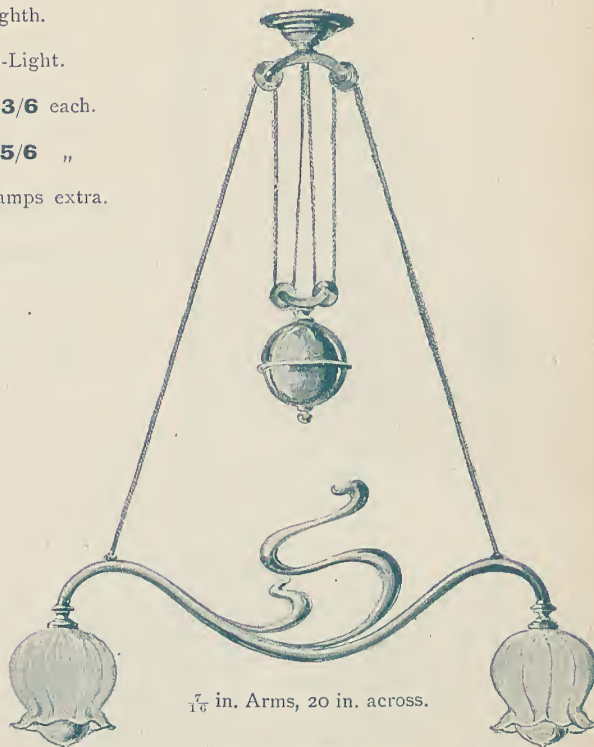
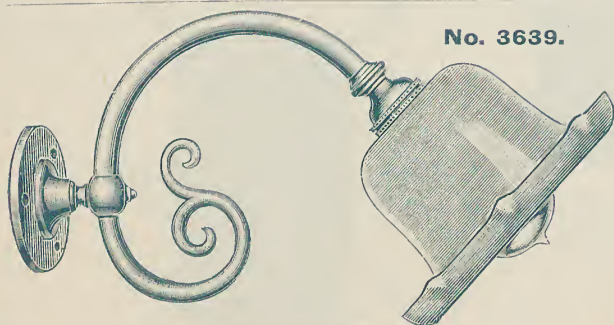
**ELECTRIC LIGHT SLIDING PENDANTS.****No. 3637.**

Size about One-eighth.

Polished Brass Two-Light.

**No. 3637.** Price, **23/6** each.**No. 3638.** " **15/6** "

Shades, Holders, and Lamps extra.

**No. 3638.** $\frac{7}{16}$  in. Arms, 20 in. across.**No. 3639.** $\frac{7}{16} \times 7$  in. Price, Polished Brass, **4/6** each.  
Shade and Holder and Lamp extra.**No. 3640.**Diameter of Cast Back,  $3\frac{1}{2}$  in.; Tube,  $\frac{1}{2}$  in.  
Length over all, 12 in.Bronzed or Polished, **5/-** each.

Priced without Glass or Holder.

**No. 3641.**Diameter of Cast Back,  $3\frac{1}{2}$  in.;Tubes,  $\frac{5}{8} \times \frac{1}{2}$  in.

Length over all, 24 in.

Bronzed or Polished, **8/-** each.

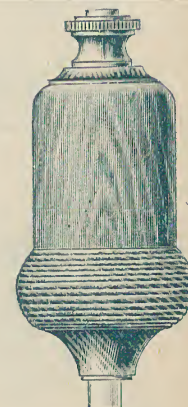
Priced without Glass or Holder.

**No. 3642.****Pressel Switch.**

For Bedrooms, etc.

Once pressing the button  
lights the Lamp, and the next  
extinguishes it.

In Ebony, Cocus, or Boxwood.

Price ... .. **5/-** each.With Cord Grip **5/6** "**Awards for Excellence of Machines and Tools :**



## UNITY CONDUIT TUBE AND FITTINGS.

No. 3643.

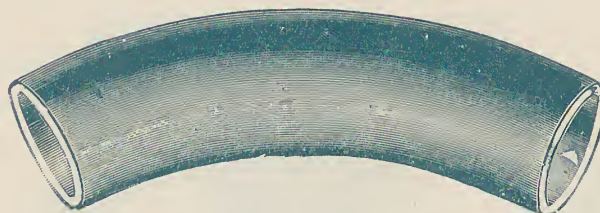


**Close Joint Steel.**

Steel Close Joint, suitable for Dry Buildings, and Surface Work.  
Smooth Inside and Outside.  
List Price per 100 ft.

To fit Tube.	Enamelled.	Rough.	Approximate Weight. lb.	I.W.G.
$\frac{3}{8}$ in.	7/6	6/-	14	20
$\frac{1}{2}$ "	8/-	6/6	19	20
$\frac{5}{8}$ "	10/-	8/-	24	20
$\frac{3}{4}$ "	12/6	9/6	32	19
$\frac{7}{8}$ "	17/-	14/-	43	18
1 "	20/-	16/6	51	18
$1\frac{1}{4}$ "	34/-	27/-	84	16
$1\frac{1}{2}$ "	44/-	34/-	101	16
2 "	64/-	46/-	132	16

No. 3644.

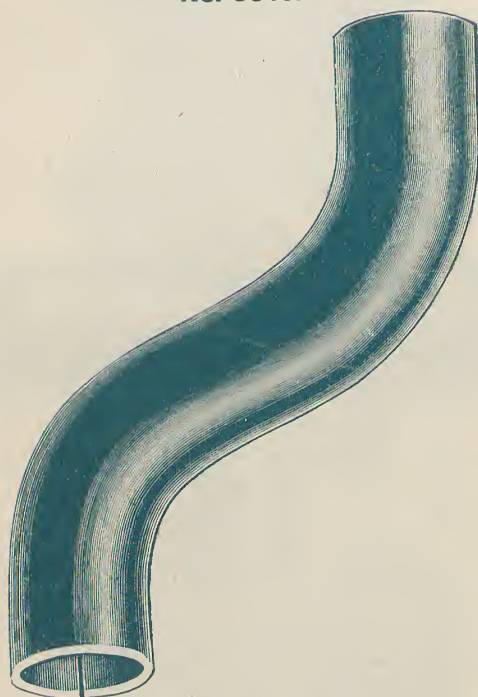


**Half Normal Bends, Close Joint Steel.**

Smooth Inside.

To Fit Tube.	Enamelled.
$\frac{3}{8}$ in.	2/6 per doz.
$\frac{1}{2}$ "	2/9 "
$\frac{5}{8}$ "	3/- "
$\frac{3}{4}$ "	4/- "
$\frac{7}{8}$ "	4/6 "
1 "	6/- "

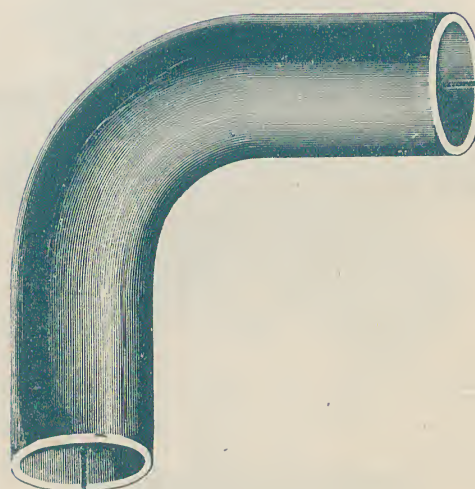
No. 3645.



**Brazed Tube, S Bend.**

To Fit Tube.	Enamelled.	Rough.
$\frac{1}{2}$ in.	13/-	12/- doz.
$\frac{5}{8}$ "	15/-	14/- "
$\frac{3}{4}$ "	20/-	18/6 "
$\frac{7}{8}$ "	24/-	22/- "
1 "	27/-	25/- "

No. 3646.



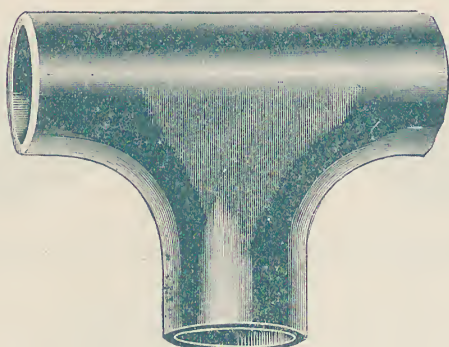
**Close Joint Tube.**

Normal Bends, Close Joint Steel.

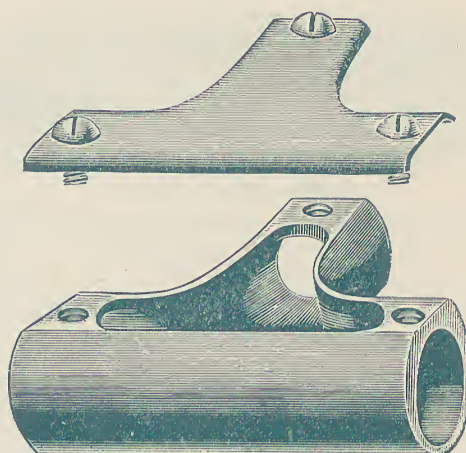
To Fit Tube.	Enamelled.
$\frac{3}{8}$ in.	2/9 per doz.
$\frac{1}{2}$ "	3/- "
$\frac{5}{8}$ "	3/6 "
$\frac{3}{4}$ "	4/6 "
$\frac{7}{8}$ "	5/- "
1 "	6/6 "

Bronze Medal, 1884.—Gold Medal, 1890.



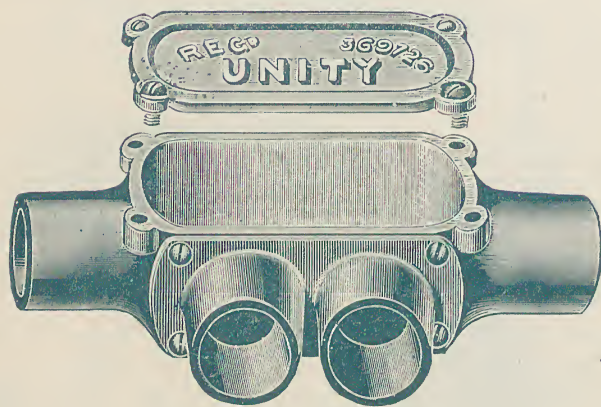
**FITTINGS—continued.****No. 3647.****MALLEABLE CASTINGS.****No. 3650.****Tees.**  
Malleable.

To Fit Tube	Enamelled.	To Fit Tube	Enamelled.
$\frac{3}{8}$ in.	4/- per doz.	$\frac{7}{8}$ in.	9/6 per doz.
$\frac{1}{2}$ "	5/3 "	1 "	12/- "
$\frac{5}{8}$ "	6/6 "	$1\frac{1}{4}$ "	20/- "
$\frac{3}{4}$ "	8/- "	$1\frac{1}{2}$ "	40/- "

**Inspection Tee.**

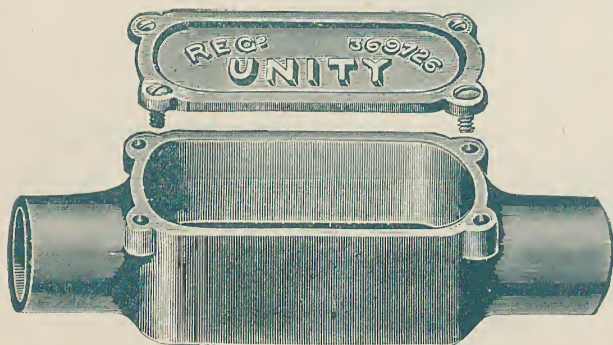
With three Brass Screws.

To Fit Tube	Enamelled.
$\frac{5}{8}$ in.	12/6 per dozen.
$\frac{3}{4}$ "	13/6 "
$\frac{7}{8}$ "	14/6 "
1 "	20/- "
$1\frac{1}{4}$ "	29/- "
$1\frac{1}{2}$ "	42/- "

**No. 3648.****4-Way Junction Box.**

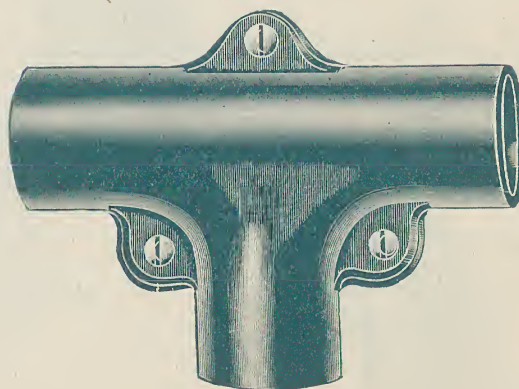
Cast Lid.

To Fit	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in. Tube.
Price	34/-	38/-	56/- per dozen.

**No. 6349.****2-Way Junction Box.**

Cast Lid.

To Fit	$\frac{5}{8}$ in.	$\frac{3}{4}$ in.	1 in.	$1\frac{1}{4}$ in. Tube.
Price	31/-	33/-	36/-	54/- per dozen.

**No. 3651.****Split Tees.**

Malleable.

With three Brass Screws

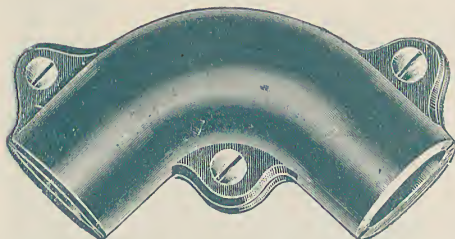
To Fit Tube	Price.
$\frac{1}{2}$ in.	12/- per dozen.
$\frac{5}{8}$ "	14/- "
$\frac{3}{4}$ "	16/- "
$\frac{7}{8}$ "	17/- "
1 "	18/- "
$1\frac{1}{4}$ "	25/- "
$1\frac{1}{2}$ "	34/- "

**Awards for Excellence of Machines and Tools:**



**FITTINGS—continued.**

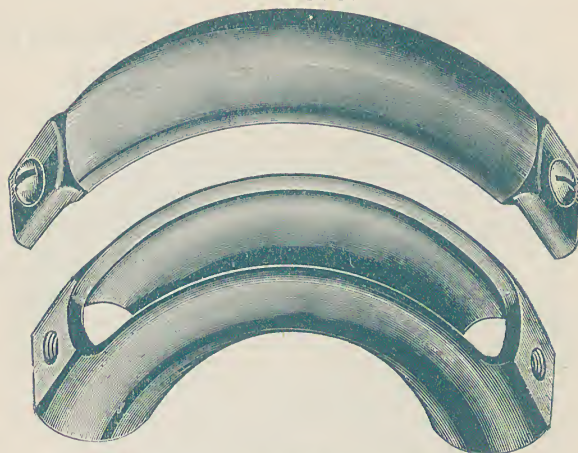
**No. 3652.**



**Split Sharp Bends, Malleable.**  
With three Brass Screws.

To Fit Tube.	Price.
$\frac{1}{2}$ in.	6/6 per doz.
$\frac{3}{8}$ "	7/- "
$\frac{1}{2}$ "	7/6 "
$\frac{3}{4}$ "	8/6 "
1 "	11/- "
$1\frac{1}{4}$ "	20/- "
$1\frac{1}{2}$ "	26/- "

**No. 3653.**

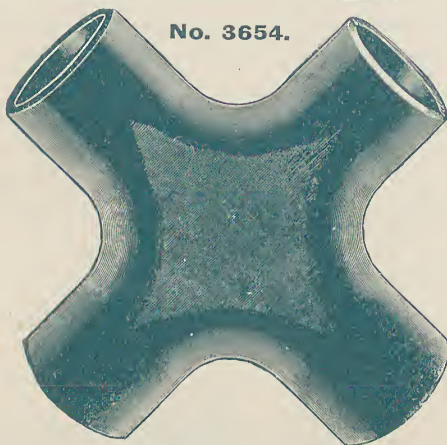


**Special Inspection Bend.**

With Cover on outside of Bend. Fitted with two Brass Screws.

To Fit Tube.	Price.
$\frac{5}{8}$ in.	16/- per doz.
$\frac{3}{4}$ "	20/- "

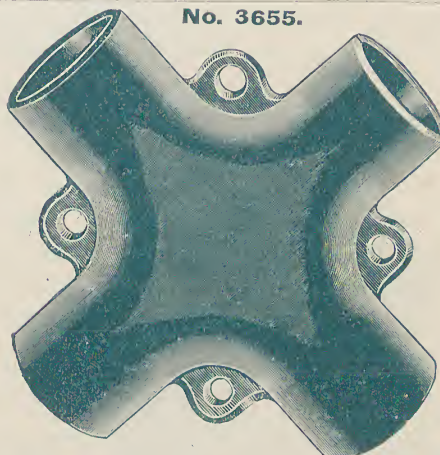
**No. 3654.**



**Four-Way Piece.**

To Fit Tube.	Enamelled.
$\frac{1}{2}$ in.	11/- per doz.
$\frac{3}{8}$ "	12/6 "
$\frac{1}{2}$ "	16/- "
$\frac{3}{4}$ "	20/- "
1 "	25/- "
$1\frac{1}{4}$ "	33/- "
$1\frac{1}{2}$ "	40/- "

**No. 3655.**



**Four-Way Split Piece, Malleable.**  
With 4 Brass Screws.

To Fit Tube.	Enamelled.
$\frac{1}{2}$ in.	17/- per doz.
$\frac{3}{8}$ "	18/- "
$\frac{1}{2}$ "	20/- "
$\frac{3}{4}$ "	24/- "
1 "	26/- "
$1\frac{1}{4}$ "	38/- "
$1\frac{1}{2}$ "	46/- "

**No. 3656.**



**Split Coupling.** With four Brass Screws.

To Fit Tube.	Enamelled.
$\frac{1}{2}$ in.	8/6 per doz.
$\frac{3}{8}$ "	9/6 "
$\frac{1}{2}$ "	10/6 "
$\frac{3}{4}$ "	12/6 "
1 "	16/- "

**No. 3657.**

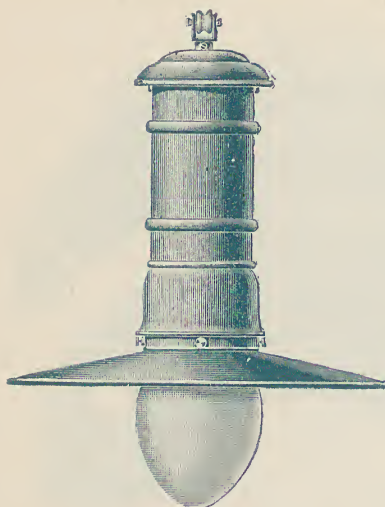
**Machine-made Reducing Nipples.**



To Fit Tube.	Enamelled.
$\frac{5}{8}$ in. to $1\frac{1}{2}$ in.	2/3 per doz.
$\frac{3}{4}$ "	2/6 "
$\frac{1}{2}$ "	3/6 "
$\frac{3}{8}$ "	4/6 "
$\frac{1}{4}$ "	4/6 "



Cover PA.

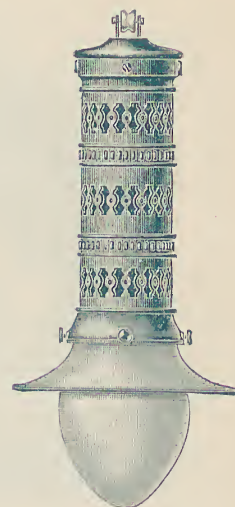


No. 3658.

## MINIATURE ARC LAMPS.

PARTICULARLY SUITABLE FOR SHOP AND  
HOUSE LIGHTING.

Cover PJ.



No. 3659.

In order to meet the growing demand for a small Arc Lamp suitable for taking currents of 1 and 2 amperes, we are putting on the market a Miniature Arc Lamp. This Lamp is constructed on the principle of the enclosed type, and, as is usual with this system, the regulating mechanism is very simple, consisting principally of a Solenoid, on the Magnet of which a special Frog Terminal is provided for the purpose of holding the top Carbon.

The Lamp has a very neat and high-class appearance. The perforated armature also possesses a holding ring for the support and fixing of various Globes and Reflectors. The Globe is securely held by a very strong and practical spring arrangement.

For single burning by 110 to 120 volts tension the Lamp is constructed as a main current Lamp, and in that case the Solenoid is made with a special winding, which makes it possible for the Lamp to be switched direct to the circuit without any line resistance being necessary.

For series burning in pairs on 220 volts tension the Lamp is provided with differential mechanism, and for that purpose it is necessary to put into the circuit also a steadying resistance.

The Lamp can be supplied for currents of 1 and 2 amperes, and will burn approximately for 10 hours.

### PRICES.

Currents in Amperes.		Description.	Price complete with Cover and Globe.
2	For Single Burning.	Cover <b>No. 3659</b> , with Polished Brass Corona, Opal Glass Reflector, and Egg-shaped Globe.	<b>40/-</b>
2	"	Cover <b>No. 3658</b> , with Black Lacquered Corona, Egg-shaped Globe, and Enamelled Reflector. For Outside use.	<b>41/-</b>

The Lamps can be supplied for a current of 1 ampere at an extra charge of **4/-** per lamp.

For burning 2 in series an extra charge per lamp is made for the special differential mechanism of **7/6**.

Suitable resistance for differential lamps burning 2 in series, **12/6** each.

No. 3660.



Machine-made Driving Hooks.

To Fit Tube	Enamelled.	To Fit Tube	Enamelled.
$\frac{1}{3}$ in.	<b>2/6</b> gross.	1 in.	<b>6/6</b> gross.
$\frac{5}{8}$ "	<b>3/-</b> "	$1\frac{1}{4}$ "	<b>8/6</b> "
$\frac{3}{4}$ "	<b>4/6</b> "	$1\frac{1}{2}$ "	<b>10/-</b> "
$\frac{7}{8}$ "	<b>5/-</b> "	2 "	<b>13/6</b> "

No. 3861.



Machine-made Steel Saddles.

To Fit Tube	Enamelled.	To Fit Tube	Enamelled.
$\frac{1}{2}$ in.	<b>4/6</b> gross.	1 in.	<b>12/-</b> gross.
$\frac{5}{8}$ "	<b>5/6</b> "	$1\frac{1}{4}$ "	<b>15/-</b> "
$\frac{3}{4}$ "	<b>7/-</b> "	$1\frac{1}{2}$ "	<b>21/-</b> "
$\frac{7}{8}$ "	<b>9/-</b> "	2 "	<b>30/-</b> "

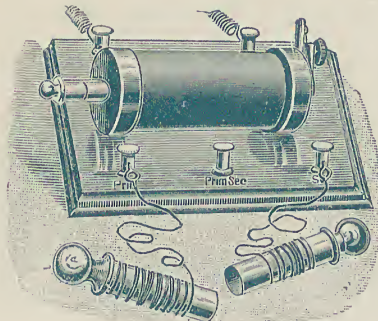
Awards for Excellence of Machines and Tools :



## INDUCTION COILS.

Best Quality Coils only on Polished Wood Bases.

No. 3663.

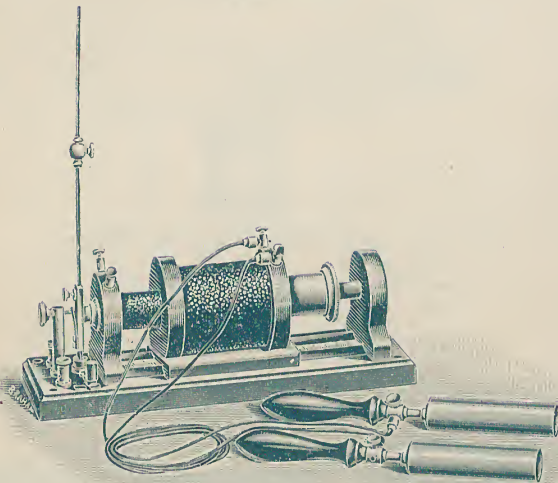


CHALLENGE.

**Velvet-Covered Coil**, with Nickel-plated Fittings, Switch, Handles and Cords, on solid moulded Walnut Base. Draw Tube to regulate strength.

Size, 6 x 4½	...	...	...	10/6	each.
Smaller	...	...	...	4/6	"
Medium	...	...	...	6/6	"

No. 3665.

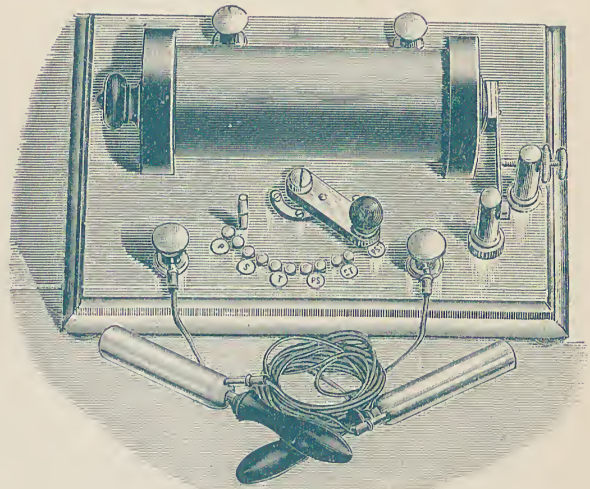


SLEDGE.

**Sledge Coil**, on the celebrated Du Bois Reymond system, best quality on Polished Mahogany Base, including Sliding Secondary, Brass Draw Tube, Terminals for Primary or Secondary Current, "Sledge" arrangement with Graduated Ivory Scale, ensuring complete control from slightest to strongest current, and removable Slow Vibrator, controlling the interruptions, with Wood and Metal Handles and Cords.

Size, 10 x 3 x 3½ in....	...	...	...	30/-
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No. 3664.

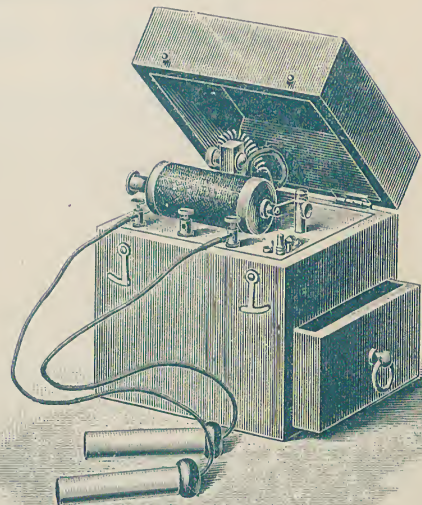


EXCELSIOR.

Handsome high strength, **Velvet-Covered Coil**, mounted on stout solid moulded Walnut Base, with Switch and Nickled Fittings, Wood and Metal Handle and Cords. Draw Tube to regulate strength.

Size, 8½ x 5½	...	...	...	17/6	each.
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No. 3666.



BYNG.

**Powerful Coil**, with No. 4 E C C Dry Cell, or No. 4 "Sack" (Wet) Cell as desired, complete with Cords and Handles.

Size, 5½ x 5 x 5 in. ...	...	...	...	19/6
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No. 3667.



**Silk Braided Tinsel and Copper Stranded Cords**,

With Pegs.

4 ft. long ...	1/6	per pair.
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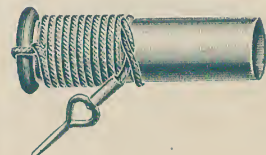
No. 3668.



**Special Tag Ends for Cords.**

TAG END, for Knurled Nut Terminal.  
1/6 per doz.

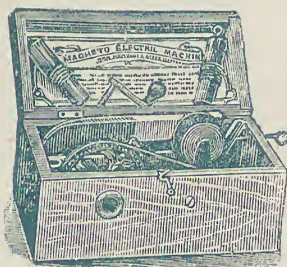
No. 3669.



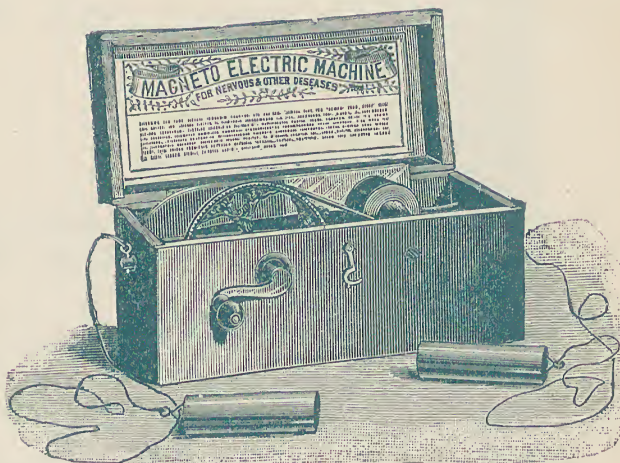
**Plated Handles**, with 3 ft. Silk-covered Tinsel Cords (the two composing the pair being differently coloured).

2/- per pair ; 21/- per dozen pairs.
--------------------------------------



**MAGNETO MACHINES.****No. 3670.**

Size,  $8 \times 4 \times 3\frac{3}{4}$  in.  
Single Wheel, in Polished Pine Box, **10/6**

**No. 3671.**

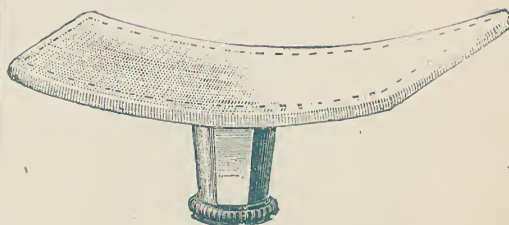
Size,  $10 \times 5 \times 4\frac{1}{2}$  in.  
Single Wheel, very powerful, in Polished Pine Box, **15/-**

**ELECTRODES.****No. 3672.****Button.**

Small, **1/-**  
Medium, **1/3**  
Large, **1/6**

**No. 3673.****Circular Covered Plate.**

$\frac{1}{2}$ in. ... ..	<b>-/9</b> each.
$\frac{3}{4}$ " ... ..	<b>-/9</b> "
1 " ... ..	<b>-/9</b> "
$1\frac{1}{2}$ " ... ..	<b>1/-</b> "
2 " ... ..	<b>1/3</b> "
$2\frac{1}{4}$ " ... ..	<b>1/6</b> "

**No. 3674.****Flexible Covered Plate.**

1 square in. ... ..	<b>-/9</b> each.
2 " ... ..	<b>1/-</b> "
3 " ... ..	<b>1/3</b> "
4 " ... ..	<b>1/6</b> "
6 " ... ..	<b>1/9</b> "
8 " ... ..	<b>2/-</b> "

**No. 3675.****Brush for the Hair.**

With Wire and Bristles, complete with Handle.  
Price **3/-** each.

**No. 3676.****Metal Comb.**

Including Handle.  
Price **1/9** each.

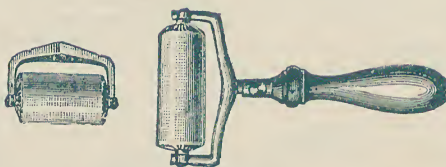
**No. 3677.****Crimped Wire Brush.**

Price **1/3** each.

**No. 3678.****No. 3679.****Standard Electrode Handle.**

With Nicked Metal Screw and Small Set Screw.

$1\frac{3}{4}$ in. long, straight ...	<b>1/3</b> each.
$5\frac{1}{2}$ " " ...	<b>1/9</b> "
$5\frac{1}{2}$ " bent ...	<b>2/3</b> "

**No. 3680.****Single Pole Massage Roller.**

$1\frac{1}{2}$ in. ... ..	<b>3/-</b> each.
$2\frac{1}{2}$ " ... ..	<b>3/6</b> "
$3\frac{1}{2}$ " ... ..	<b>4/6</b> "

**No. 3681.****Footplate Electrode.**

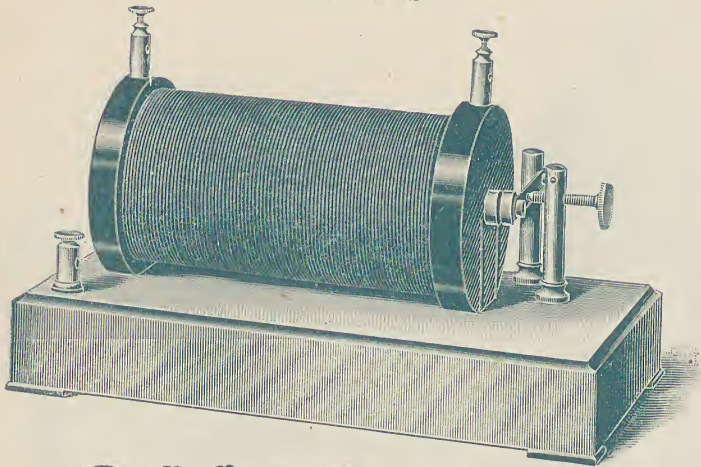
With Cord (used dry), **3/6** each.

**Awards for Excellence of Machines and Tools:**



## INDUCTION COILS.

No. 3682.



### Ruhmkorff or Intensity Coils.

Polished Wood Bases, containing Condenser. All Brass parts  
Lacquered. Good quality only.

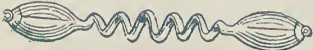
Length or Spark.	Without Commutator.	With Commutator.
$\frac{3}{16}$ in.	6/6 each	—
$\frac{1}{4}$ "	7/6 "	—
$\frac{5}{16}$ "	10/6 "	—
$\frac{7}{16}$ "	16/6 "	19/6 each
$\frac{1}{2}$ "	18/- "	21/- "
$\frac{3}{4}$ "	30/- "	33/- "
1 "	42/- "	45/- "

No. 1. 

### Single Vacuum Tubes.

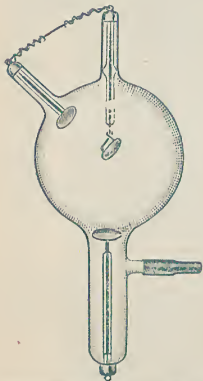
No. 2. 

Size 4 5 $\frac{1}{2}$  6 8 in.  
Price -/10 1/- 1/3 2/- each.

No. 3. 

Nos. 1, 2, 3 patterns all same price.

No. 3683.



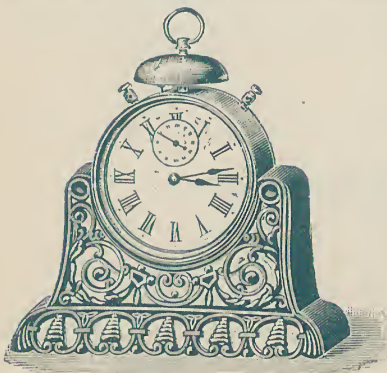
## BI-ANODAL TUBE.

This Tube is recommended chiefly for Screen-work. A more even illumination can be obtained.  
For Radiography it does not give such sharp definition as the Focus Tube; but, owing to the fact that the Bulb is made of fairly Thick Glass, it is less liable to become damaged in use.

Price ... .. 21/- each.

## WATCH AND CLOCK ALARMS.

No. 3684.



### American Clock Alarm.

With Electrical Attachment.

No. 3684 ... .. 7/6

### Ornamental Stand.

Fret Design as Illustrated.

No. 3685 ... .. 2/-



### METHOD OF USE.

The accompanying Diagram will make clear the use of this Clock and its connections. The distant Bell (shown at left of Diagram), usually placed in servant's bedroom, will ring at the time set on small dial of Clock, and will continue to ring for 15 minutes unless switched off.

The Mechanical Gong can be used at the same time if desired.

Outfit comprising one No. 3684 Clock, two No. 2 Leclanché Cells, one Bell, one Switch, and 55 yards of Wire.

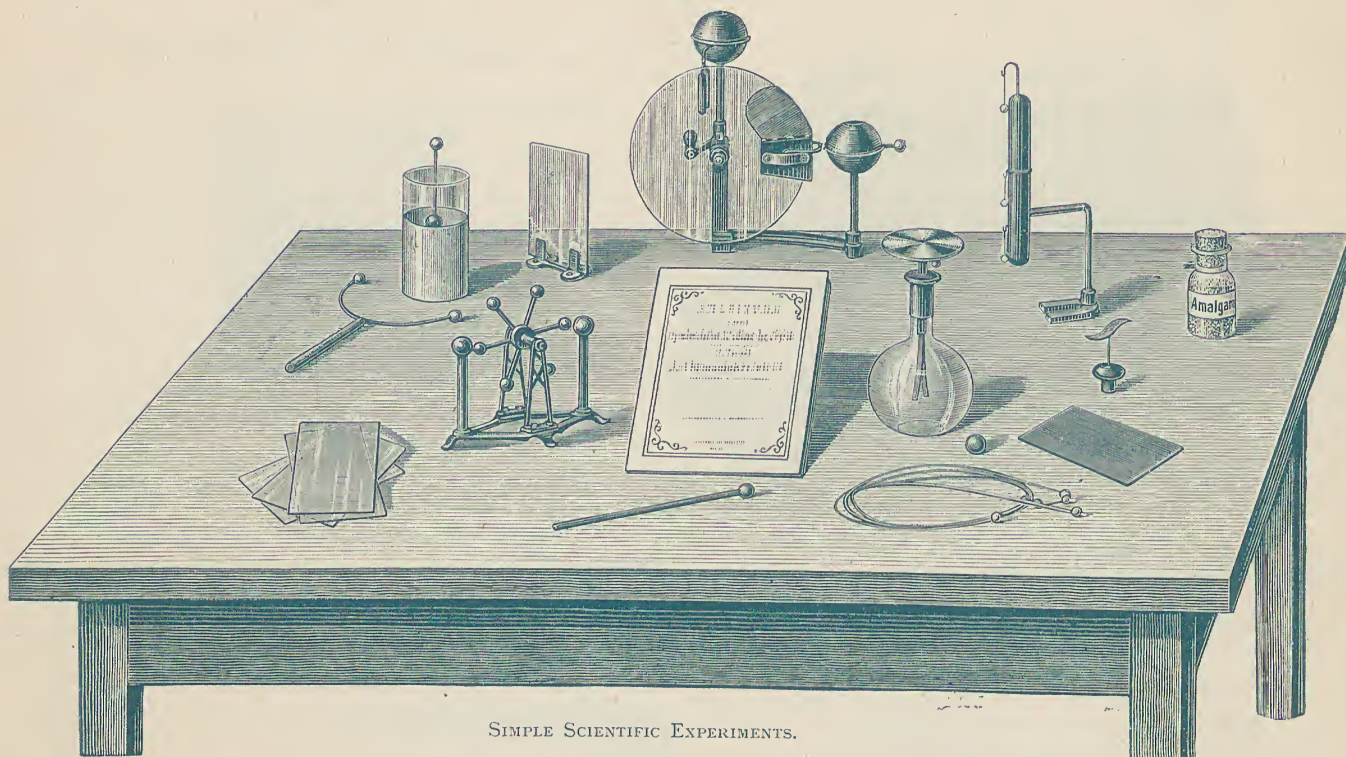
No. 3685 ... .. 15/-

Bronze Medal, 1884.—Gold Medal, 1890.



## SETS OF APPARATUS FOR EXPERIMENTAL PHYSICS.

No. 3687.



SIMPLE SCIENTIFIC EXPERIMENTS.

**Set I.—Galvanic Electricity.** Contains two Batteries, Galvanometer, Wheatstone Bridge, Electro-magnet, Thermo, Element Induction, Electro Motor, Permanent Magnet, with Book of Instructions for 120 Exercises, packed in Case, complete.

Price 36/—, carriage paid.

**Set II.—Static Electricity.** Contains one Electrical Machine, Electroscope, Induction Cylinder, Leyden Jar, Discharger, Proof Ball, Motor, Electrical Whirl, Ebonite Plate, Glass Plates, Tinfoil, with Book of Instructions for 120 Exercises, packed in Case, complete.

Price 37/6, carriage Paid.

**Set III.—Acoustics.** Contains Perforated Siren, Tuning Fork arrangement for showing the Vibration Curve of a Tuning Fork, Monochord, Violin-Bow, Bobbin of Steel Wire, Apparatus for showing Chladni's Sound Figure, also on Resonance Organ Pipe (lip), Reed Pipe Apparatus for showing Lissajou's Figures, with Book of Instructions for 120 Exercises, packed in Case, complete.

Price 36/—, carriage paid.

**Set IV.—Optics.** Contains Optical Bench, the Lenses, Lens Holder, Diaphragms, and Flat Rings, Bunsen Photometer Disc, Candle Holder, the Mirrors and the Glass Plates, Coloured Papers, Spirit Bunsen Burner, Platinum Wire Support, Bisulphide of Carbon Prism, Polarising Apparatus, with Book of Instructions for 120 Exercises, packed in Case, complete.

Price 36/—, carriage paid.

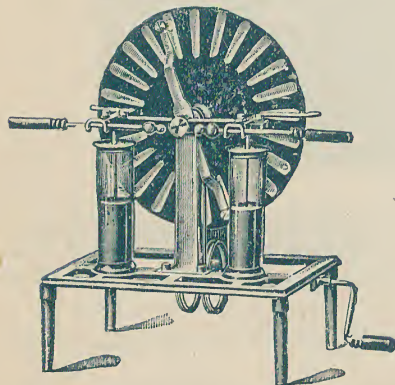
## WIMSHURST MACHINES.

No. 3688.

Improved Pattern with Removable Leyden Jars.

These Machines are of thorough efficiency—the Plates do not buckle, and there being no alternation of poles, any of them can be used for X-Ray Photography.

<b>No. 3688.</b>	With 7 in. Ebonite Plates, giving 2 to 2½ in. Spark	...	...	...	...	37/6
" <b>3689.</b>	With 8 in. Plates, giving 3½ to 4 in. Spark	...	...	...	...	45/—
" <b>3690.</b>	With 10 in. Plates, giving 4 to 5 in. Spark	...	...	...	...	51/—



Awards for Excellence of Machines and Tools :



## THE EVER-READY ELECTRICAL MEDICAL COIL AND MASSAGE.

No. 3691.

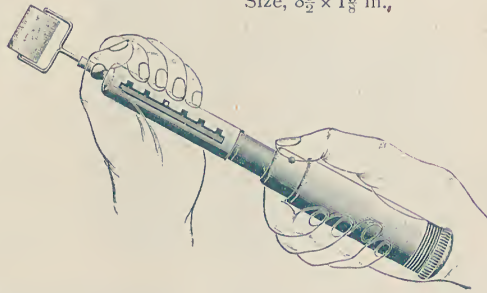
Comes into operation on merely pressing a button, and has no wire or switches.

HIGHLY POLISHED HEAVY NICKEL  
PLATE.

Price 15/-

Refill Batteries, 9d.

Size,  $8\frac{1}{2} \times 1\frac{3}{8}$  in.,



DESCRIPTION IN BRIEF.

A Portable Electrical Coil of such simplicity of construction that it can be used with perfect safety by any one without special knowledge.

Complete List of Instructions sent with each Coil.

## DRY CELLS.

WILL LAST AS LONG AS A WET BATTERY.

INSTRUCTIONS.

Remove Stopper from aperture at top of Cell, add water at intervals until Cell will absorb no more, allow about 15 minutes for chemicals to be dissolved, pour away any liquid remaining, replace Stopper.

Scrape Paraffin Wax from contact surface of Terminals.

Care should be taken that the Stopper is not left out.

No. 3692.



No. 3696.



	Form.	Size over all.	Internal Resistance in Ohms.	Current Amperes (about).	Approx. E.M.F. Volts.	Price each.
No. 3692.	Round.	$7 \times 2\frac{3}{4}$ in.	0.13	12.5	1.6	3/6
" 3693.	"	$6 \times 2\frac{1}{2}$ "	0.18	9.0	1.6	2/6
" 3694.	"	$5 \times 2\frac{1}{8}$ "	0.23	7.0	1.6	2/3
" 3695.	"	$4 \times 1\frac{1}{2}$ "	0.4	4.0	1.6	2/-
" 3696.	Square.	$7 \times 2\frac{3}{4} \times 2\frac{3}{4}$ in.	0.13	12.5	1.6	3/6
" 3697.	"	$6 \times 2\frac{1}{2} \times 2\frac{1}{2}$ "	0.18	9.0	1.6	2/6
" 3698.	"	$5 \times 2\frac{1}{8} \times 2\frac{1}{8}$ "	0.23	7.0	1.6	2/3
" 3699.	"	$4 \times 1\frac{1}{2} \times 1\frac{1}{2}$ "	0.4	4.0	1.6	2/-

## UNSPILLABLE WET CELL.

No. 3700.

Form.	Size over all.	Internal Resistance in Ohms.	Current Amperes (about).	Approx. E.M.F. Volts.	Price each.
Square.	$7 \times 3\frac{1}{2} \times 3\frac{1}{2}$ in.	0.13	12.5	1.6	4/6

## SPECIAL "SPARKING" UNSPILLABLE WET CELLS.

Suitable for Motor Cars, Etc.

No. 3701.

Form.	Size over all.	Internal Resistance in Ohms.	Current Amperes (about).	Approx. E.M.F. Volts.	Price each.
Square.	$7 \times 2\frac{3}{4}$ in.	0.11	13.0	1.6	4/-
Rectangular.	$7\frac{1}{2} \times 11 \times 3$ in.	0.44	13.0	6.0	16/-

Bronze Medal, 1884.—Gold Medal, 1890.



**Our New NICKEL POCKET LAMP.****No. 3705.**

2½ Volt.



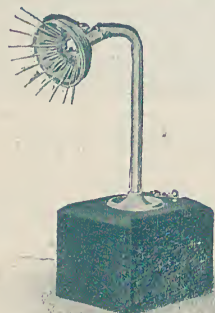
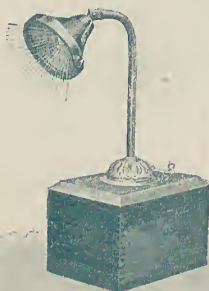
Faultlessly finished,  
in highly polished  
Nickel Plate.

Can also be furnished covered with best leather, in which case order **No. 3706.**

A well-designed, compact little pocket light, faultlessly finished and handy to use. A slight pressure on the small button produces a wonderfully brilliant light, considering its small size.

**No. 3705.** Price 12/6 each.

**No. 3706.** Best leather covered, 15/- each.  
Extra Batteries, 1/3 each.

**ELECTRIC READING LAMPS.**

**No. 3708.** 5½ volt.  
Nickel-plated fittings, on polished,  
fancy wood box.

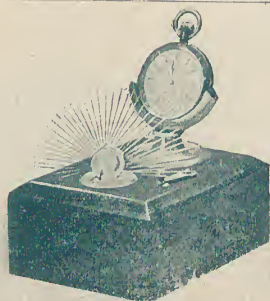
Price 21/- each.

Extra Batteries, 2/6 each.

An invaluable article for the library or bedroom. The reflector is hinged, so that it can be adjusted to any angle, and the light directed to any desired spot.

**No. 3709.** Special 5½ volt.  
Is very highly finished, and  
is furnished with our new pris-  
matic reflector which greatly  
intensifies the light.

Price 23/6 each.



**No. 3712.** 3½ volt.  
Heavily plated nickel watch holder on finely  
polished wood case.

Price 14/6 each.

Extra Batteries for ditto, 1/6 each.

**ELECTRIC TORCHES.****No. 3707.**

Light is produced by depressing the  
contact ring as shown in the illustration.  
When not in use this ring should be  
folded back, and the torch can then  
be packed away without any fear  
of the current being wasted,  
always provided that the  
torch is not left in *actual*  
*contact* with any metal  
substance, such as  
keys or a metal  
cigarette case.

The operation  
of inserting a new  
battery is simplicity  
itself. The metal cap  
at the end of the torch is  
unscrewed, the old battery  
is dropped out, and the new  
one inserted, and upon replace-  
ment of the cap the torch is ready  
for immediate use.

These torches can be used with absolute safety whenever and  
wherever any other light would be a source of danger; they are,  
therefore, invaluable. In private houses they make themselves in-  
dispensable when they have been some time in use to

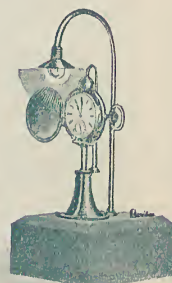
Light guests up and downstairs and into carriages.  
Take clothes from dark cupboards.  
Examine for gas leak, etc., etc.

Sizes ...	6 x 1½	9 x 1½	11 x 1½	14 x 1½ in.
Price ...	12/6	12/6	16/6	21/- each.
Extra Batteries	1/3	1/6	1/6	2/6 "

**ELECTRIC WATCH STANDS.****No. 3710.**

This watch stand  
is aptly named

**The Universal,**  
as it will take almost  
any kind or size of  
watch. The two il-  
lustrations show a  
hunter and an open  
face, lightly yet  
securely held in  
position.

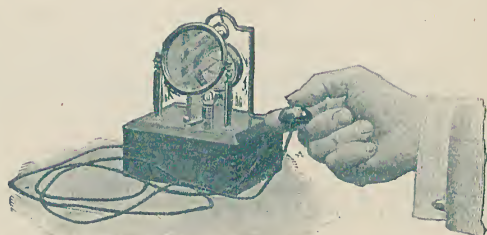
**No. 3711.**

Price 21/- each.

Extra Batteries for ditto, 1/6 each.

**No. 3713.**  
3½ volt.

Furnished  
complete with  
cord and push,  
as illustrated  
(not including  
the watch).



Fine Nickel  
Plate on fancy  
wood case.

This is one of the most popular models we make. The watch hangs behind  
a powerful magnifying glass which can be adjusted to any suitable angle, showing  
the watch face brilliantly illuminated and greatly magnified.

Price 14/6 each.

Extra Batteries for ditto, 1/6 each.



## ELECTRIC HAND AND HOUSE LAMPS.



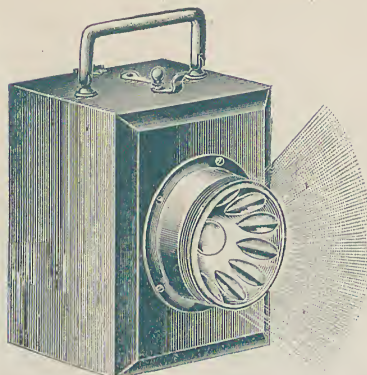
**No. 3714.**  $3\frac{1}{2}$  Volt, with Parabolic Reflector.

" **3715.**  $5\frac{1}{2}$  " " " "  
Finished in heavy Nickel Plate on finely Polished  
Wood Box.

**No. 3714.** Price 14/6 each. Extra Batteries, 1/6 each.

" **3715.** " 21/- " " " 2/6 "

**No. 3716.**



**No. 3716.** "Spec."  $3\frac{1}{2}$  Volt, with New  
Prismatic Reflector.

**No. 3717.** "Spec."  $5\frac{1}{2}$  Volt, with New  
Prismatic Reflector.

Finished in heavy Nickel Plate on finely  
Polished Wood Box.

**No. 3716.** Price 16/-

" **3717.** Price 19/- each.

Extra Batteries ... 1/6 "

**No. 3718.** Price 25/6 "

Extra Batteries ... 2/6 "

## ELECTRIC SURGICAL AND DENTAL LAMPS.

**No. 3719.**



**No. 3719.**  $3\frac{1}{2}$  Volt.

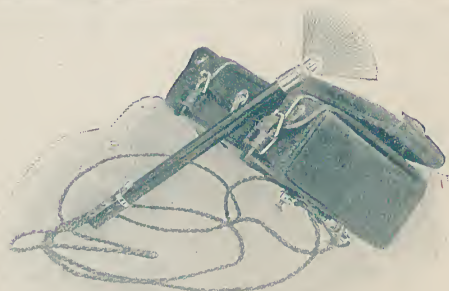
**No. 3720.**  $5\frac{1}{2}$  Volt.

Finely Polished Wood Case.

\*The mouthpiece fits inside the cover, which closes with a neat  
Catch, and is provided with a folding Handle.

**No. 3719.** Price 16/6 each. Extra Batteries, 1/6 each.

" **3720.** " 25/- " " " 2/6 "



**No.  
3721.**

**No. 3721.**  $3\frac{1}{2}$  Volt.

**No. 3722.**  $5\frac{1}{2}$  Volt.

Solid Leather Case, with heavily Plated Nickel Fittings. The  
Mouthpiece fits into Leather Pouch strapped to Case.

**No. 3721.** Price 21/- each. Extra Batteries, 1/6 each.

" **3722.** " 30/- " " " 2/6 "

## MEDICAL BULBS.

**No. 3725.**



**Antiseptic Bulb.**

$3\frac{1}{2}$  Volt, about 4 in. long.

$5\frac{1}{2}$  Volt, about 6 in. long.

**No. 3726.**



**Magnifying Surgical Bulb.**

$3\frac{1}{2}$  Volt and  $5\frac{1}{2}$  Volt.

These illustrations represent our latest improvements in Medical  
Bulbs. The former has a Magnifying Glass blown in the end, which  
enormously increases the power of the light. The larger one shows  
the Filament supported in the end of a long Glass Tube which, in  
surgical cases where rapid and effective sterilisation is a considera-  
tion, will readily commend itself to medical men.

**No. 3725.** Price 5/- each. **No. 3726.** Price 3/6 each.

## ELECTRIC HEAD LAMP.



**No. 3723.**  $3\frac{1}{2}$  Volt.

**No. 3724.**  $5\frac{1}{2}$  Volt.

As will be seen by the above illustration, the great feature of this  
Lamp is that, when fastened to the Head and the Light adjusted by  
means of the Ball Socket Joint at the base of the Reflector, it leaves  
the operator both hands free. When not in use the Head Lamp  
picks away in a small Pouch attached to Battery Case, both of which  
are in solid Leather and the whole is handsomely finished, all metal  
parts being heavily Nickel Plated.

**No. 3723.** Price 42/- each. Extra Batteries, 1/6 each.

" **3724.** " 47/6 " " " 2/6 "

## DENTAL REFLECTORS.

**No. 3727.**

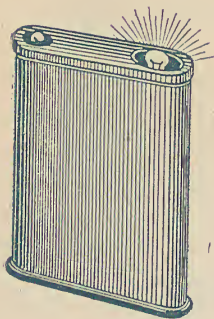
This Reflector can be fitted to the mouthpieces of any  
Lamps for dental use.



**Plain Dental Reflector.**

**No 3727.** Plain, 4/- each.



**ELECTRIC POCKET LAMPS.****No. 3730.****Electric Pocket Lamp.**

Large Size, with Top Push.

Price **1/5** each.**No. 3731.**

Nickel Plated.

Price **1/9** each.

Extra Cells for same,

Price **-/9** each.**No. 3732.****Electric Pocket Lamp.**

Small Size.

With Side Push.

Price **1/3** each.

Cells for same,

Price **-/8** each.**No. 3733.****Electric Pocket Lamp.**

With Bull's-eye Lens, Top Push.

Price **1/9** each.**No. 3734.**

Nickel Plated.

Price **2/-** each.

Extra Cells for same,

Price **-/9** each.**No. 3735.****Electric Pocket Lamp.**

Small Size, for Ladies.

Nickel Plated.

Price **2/3** each.**No. 3736.**

Silver.

Price **3/-** each.**No. 3737.**

Gold.

Price **3/3** each.

Cells for same,

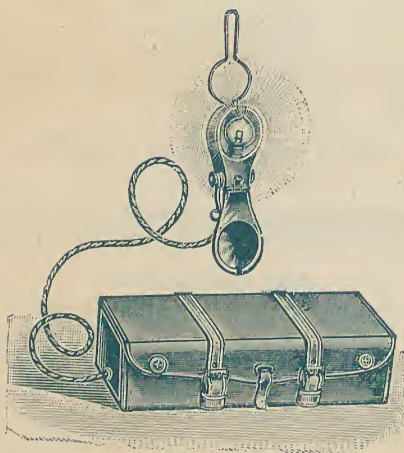
Price **-/10** each.**Ever Ready Electric Service Lamp.****No. 3738.**

The special feature of this Lamp is that it can be attached to a button on the coat and leaves both hands free. A slight touch of the button causes the Lamp to open, and the light remains on until the Lamp is closed. The Battery is contained in a neat Leather Case, and can be carried in the pocket or attached to a belt, and is connected with the Lamp by a thin, flexible silk cord.

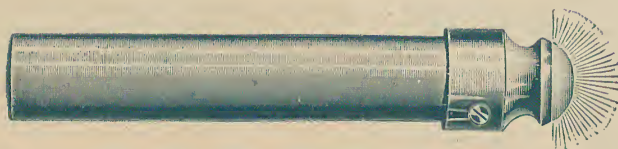
The advantages of this system to Military and Naval men is obvious, and the many other uses to which it can be put will readily suggest themselves.

**No. 3738.** $3\frac{1}{2}$  volt.

Price

**21/-** each.Extra  
Batteries,  
**1/6** each.**No. 3739.** $5\frac{1}{2}$  volt.

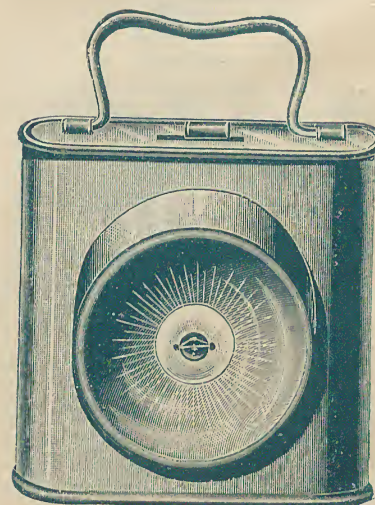
Price

**30/-** each.Extra  
Batteries,  
**1/6** each.**No. 3740.****Nickel Plated Torch.**

6 in. long.

Price **2/9** each.

Extra Cells for same,

Price **1/-** each.**No. 3741.****Electric House Lamp.**

With Sliding Contact.

Price **2/6** each.

Extra Cells for same,

Price **1/3** each.**Awards for Excellence of Machines and Tools.**



















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